

Distance Education at WPI

An Interactive Qualifying Project Report

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ABSTRACT

This Interactive Qualifying Project was written for the WPI Department of Management, as well as the Instructional Media Center. The purpose of this project was to survey the students in the Department of Management's distance education program and gather information and opinions about the effectiveness and quality of the distance program. The results were analyzed, conclusions drawn, and recommendations made to both the Department of Management and the Instructional Media Center.

CHAPTER 1

INTRODUCTION

1.0 INTRODUCTION

Today's society is changing constantly and the demand for higher education is becoming more prevalent. Not only is industry requiring a baccalaureate degree in a discipline, it is also looking for individuals with advanced college degrees. This demand, coupled with increasing tuition costs has made people rethink how they will achieve a college degree. Many students are returning to school on company provided tuition reimbursement programs. The challenge is scheduling time to maintain a full time career and still find time to attend school on a part time basis.

Colleges and universities have begun to address part time higher education. More and more classes are being offered at night and on weekends. In addition to the programs already offered, there is a newer and maybe better way that is becoming more widely used. That method is distance learning.

Surprising to many observers, distance learning has been in use for some time. It first began in America in 1874 (Rahm, Going Remote: The Use of Distance Learning, the World Wide Web, and the Internet Graduate Programs of Public Affairs and Administration). For WPI, distance learning began in 1979 with graduate courses offered for the MBA program. Today, these courses are offered in three formats: interactive videoconferencing, videotape and Worldwide Web (1999-2000 WPI Catalog). These courses follow the regular academic calendar.

Distance learning allows a student more flexibility as to when and where to attend class thus allowing him/her to maintain a full time job and continue to pursue a college degree. There are many teaching methods of this type — on-line, web-based, video, etc.

This Interactive Qualifying Project (IQP) researched and evaluated student opinions on which methods are the best, that is, which are easiest and effective for the student, best for student-teacher interaction, and best for learning. Hopefully, these results will demonstrate whether or not distance education courses deliver the same quality of education that WPI is accustomed to.

Each school and even each professor has his/her own way of preparing and delivering a class, whether it is the traditional class or the distance education class. For instance, as the internet has become a more powerful teaching tool and its use has grown, some professors have set up a web page to post questions and answers to problems while others use links to have a live broadcast of the class. Other professors use videotapes to record a lecture and then send it out to the students at home. Still other professors use a combination of the two. Which methods are most effective? Which are most efficient? How does distance learning compare in to the traditional classroom setting? Is the quality of education comparable? These are the topics this paper evaluated.

On the other side of the coin, what do students like or find most effective?

It is safe to assume that all the students in a distance learning program have a

degree already and that degree came from attending traditional classes. These

questions were asked of students as far as which methods are more effective, which are most flexible for their schedules, and which make learning the easiest and most fun. We plan to ask similar questions about traditional learning as we do for distance education. Lastly, we looked at evaluating student's opinions on the quality of education that they have received from distance learning. All of these issues have been addressed in this paper.

In conclusion, we researched different techniques of distance education and surveyed students of distance education at WPI. After the data from the survey was gathered, the survey was analyzed. These results were written up in the IQP format and given to our clients, WPI Department of Management and WPI Instructional Media Center. Hopefully, the results will yield pedagogical benefits for the distance education programs and faculty at WPI.

CHAPTER 2

LITERATURE REVIEW

2.0 Literature Review

Distance education is any form of teaching and learning in which teacher and learner are not in the same place at the same time, with information technology their likely connector (Gilbert, Why Distance Education?, AAHE, Dec. 1995). A contrary belief is that distance education is not defined by the geographic separation of the learner and teacher, but by the amount of dialogue and structure (Saba, Is Distance Education Comparable to Traditional Education?, Distance Education Report, May 1998). The structure and dialogue must encompass more than face to face communication, according to Dr. Jonathon Barnett, Associate Professor of Fire Protection Engineering at WPI. Telephone "office" hours, e-mail, faxes, and express mail are all part of the communication process for distance education students and professors. Overall, a primary objective of distance learning is to make the learning experience of the remote students as close as possible to that of a front-row seat in a traditional classroom or a face-to-face meeting at headquarters (Peabody, Plan ahead Satellite Communications, Aug 1997).

2.1 Strengths

2.1.1 Flexibility

The flexibility of the distance education program offsets the difficulties created by work schedules. For example, Donald Sanders, a distance education student from East Carolina University, commented that he could not complete a degree (without distance education) in his field because no colleges in his local area offer such courses. Now, he is allowed to spend more time home with his family. Distance education classes that are delivered via videotape prove to be a popular form among professionals that are enrolled in a distance education program. Although communication is difficult for a distance education curriculum, some professors believe that the simple fact of being on camera has enhanced their communication skills (Hubbard, Teaching courses through distance education, Cornell Hotel and Restaurant Administration Quarterly, Aug 1997). In addition to better communication by the professor, the students need to actively communicate with the professor through e-mail, telephone, faxes, or other means of communication that may be established by the professor.

Technology adds choices as to how, when, and where students access learning opportunities. Administrators and faculty often fear that the addition of technology supports can spell the end to on-campus, residential learning experience. However, research suggests that availability of traditional plus virtual learning options will create new environments in which students can make choices to customize the learning experience to suit their personal and changing

needs (Smith, Preparing Faculty for Instructional Technology, Cause/Effect, 1997). This may aid in distance education becoming the preferred method of higher education.

2.1.2 Diverse Students

Distance education students are often found to be from a wide variety of backgrounds, from work to social life. Susan Hubbard, a professor of distance education, was able to collect research and make conclusions on the students that participate in her distance education classes. She concluded that the diverse student brings a richness to class "discussions". They participate in discussions by sending messages and comments from previous lectures. The subsequent classes are begun with their input and continue the previous class discussion with their questions and comments. This format serves as a wonderful review and clarification for all students (Hubbard, Teaching courses through distance education, Cornell Hotel and Restaurant Administration Quarterly, Aug 1997).

2.1.3 Communication and Discussion

Communication and discussion are often difficult for the distance learner. However, the benefit of distance education, compared to that of traditional education, is that the distance learner can think through their question before posting it. They also must take initiative to find their own answers instead of relying on faculty (Campbell, Evaluating ALN: What Works, Who's Learning?, ALN Magazine, Aug 1997). This may ultimately benefit the distance student

with a better understanding of the course material. The main point is the professor may be more accessible to the traditional student and may be able to provide a quicker response to traditional students' questions. The traditional student may rely on the faculty for answers, as opposed to researching their own questions. This could negatively impact the course understanding for the traditional student. Furthermore, Dr. Tom Kubala, professor at the University of Central Florida, found distance students are often more willing to participate in class "discussions" and other learning activities online as compared to the traditional mode of learning. The measure of anonymity serves as a motivator for students to get involved (Kubala, Addressing Student Needs: Teaching on the internet, THE Journal, March 1998).

2.1.4 Regulation

Distance Education is becoming more regulated due to the growth and interest in distance education degrees. Distance Education Task Force chair, Robert LeClair, states that new regulations for distance education are becoming less restrictive and moving towards standards similar to that of traditional education. Lower restrictions are to allow more growth in an evolving education market (Emmons, Educators Tackle Top Issues, Legal Assistant Today, Sep/Oct 1998).

2.1.5 Successful Distance Learning Program

A well-planned curriculum, combined with a dynamic educational setting and high quality content, will surely result in a successful distance learning program. Four key areas accomplish this:

- Interaction is mandatory-distance education students need to interact/communicate with faculty and peers throughout the course.
- Tailor the syllabus to the distance learning method-faculty needs to provide a syllabus that meets the need of the distance education class.
- ❖ Facilitators at remote sites help the students get the most from the learning experience-facilitators need to be available to aid students with questions, such as where to go for information, required courses, etc.
- Comprehensive planning is essential to a successful distance education course and program (Peabody, Plan Ahead, Satellite Communications, Aug 1997).

2.1.6 Improve Distance Education

Classrooms allow for a lot of interactions, with good use being made of all skills and knowledge the students may already have. Traditional forms of distance education do not allow any exchanges between the students and many Web based learning systems lack the opportunity for student / faculty interactions, even though the Internet provides a great opportunity to include everyone. By embedding a combination of a listsery and a newsgroup into the Web pages of the

learning material, students' questions, answers and comments can be read in the context of the topic to which they relate. Hence, all the usual class exchanges can occur and be saved in context for the next student to use (Gibson, Rutherford, Learners are teachers too, Computer Networks and ISDN Systems, April 1998).

2.2 Weaknesses

2.2.1 Video Teaching

Adapting material from a video-based class takes a great deal of thought and preparation to ensure that both the on-campus students and the students watching the video are receiving the best possible instruction. It takes organization, patience, and preparation with the underlying awareness and concern of addressing two audiences. Teaching for live video may test the ability of the instructor, while providing an exciting new way of teaching (Hubbard, Teaching Courses through Distance Education, Cornell Hotel and Restaurant Administration Quarterly, Aug. 1997). A concern for teachers is that the distance student may not be receiving the same class delivery as the traditional student.

Due to lag time created by mailing tapes to distance students, assignments and tests are received from the distance students after their on-campus due dates. The problem with this approach is that the final grade is calculated and reported after the quarter is completed. This is particularly frustrating from a faculty member's standpoint, because the next quarter begins before the previous "extended" quarter ends (Hubbard, Teaching Courses through Distance Education, Cornell Hotel and Restaurant Administration Quarterly, Aug. 1997).

2.2.2 More People to Teach a Distance Education Class

Unlike the traditional classroom setting, more people are required on the distance learning team. The distance learning team may include an instructional

designer, instructional developer, and technology supporter (Abernathy, The WWW of Distance learning: Who does what and where?, Training and development, Sep. 1998).

2.2.3 Students Feel Isolated

A case study of 'difficulties in learning effectively in a web-based distance education course' was conducted by the National Center for Education Statistics in 1998. The significance of this study is to investigate problems with Web-based distance education, due to higher education in the United States facing new challenges and demands for the next century. Various criticisms against distance education appear frequently, such as lack of personal attention, boredom, outdated knowledge, lack of appropriate skills for the workplace, and inappropriateness for a diverse population. Student interviews and classroom observation were the basis of the data for this study. The summary of the survey is that students' frustration originates from three sources:

- Technological problems
- Minimal and not timely feedback from the instructor
- Ambiguous instructions on the WWW site as well as via e-mail.

Some students' frustrations were so overwhelming that these students gave up on the formal content of the course. Students' frustrations are a very real concern in distance education (Hara, Students Frustrations with Web-based Distance Education, Red Rock Eater News Service, July 1999).

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2.3 Student Feedback

2.3.1 Student Surveys

The difficulty, today, for distance educators is that very few qualitative research studies have been done, so dynamics of a virtual classroom are unknown. Data from studies of researchers who study distance education may be biased toward a certain technology (Hara, Students Frustrations with Web-based Distance Education, Red Rock Eater News Service, July 1999). For instance, a researcher who teaches using Blackboard® may only gather data from students using Blackboard®, leaving out data from other technologies. Surveying the distance education student will allow a distance education program to grow and strengthen. A survey of distance education students at the University of Central Florida showed that 81% of the students preferred taking Web-based classes, whereas 19% would like to try a combination of Web-based classes and traditional formats. An overwhelming 94% felt adequately connected to the instructor (more connected or similarly connected, as compared with traditional face-to-face classes) (Kubala, Addressing Students Needs: Teaching on the Internet, THE Journal, March 1998).

2.3.1.1 Positive Feedback

Students, overall, have very positive remarks on distance education from course delivery to communication. A suggestion that came out of a survey from a distance education student at Auburn University was to provide distance

education students with a toll free number to open communication lines with the faculty (Hubbard, Teaching Courses through distance education, Cornell Hotel and Restaurant Administration Quarterly, Aug. 1997). Flexibility and convenience were comments received about the distance program. Students like not having to commute to campus and fight for parking. They like the flexibility to do course work at their own convenience. Communicating in a different manner and learning technology were other positive remarks (Kubala, Addressing Students Needs: Teaching on the Internet, THE Journal, March 1998).

2.3.1.2 Negative Feedback

Problems may occur with the Internet provider, making the course work / communication difficult. Some students feel that they miss interacting with classmates, but if they were more involved in class discussions that may help.

Others do not like the class forum. And still others comment on needing more discipline to do well in a distance education course (Kubala, Addressing Students Needs: Teaching on the Internet, THE Journal, March 1998).

2.4 Distance Education at WPI

Distance learning was first introduced at WPI in 1979 with the creation of the Advanced Distance Learning Network (ADLN). ADLN was developed to allow professionals to pursue higher education, while maintaining a career without repeated visits to WPI. The flexibility of a distance education program offsets the difficulties created by work schedules (Hubbard, Teaching Courses through Distance Education, Cornell Hotel and Restaurant Administration Quarterly, Aug. 1997). WPI's academic departments work with the Instructional Media Center (IMC) to set up the delivery for the course. There are three ways an ADLN course is delivered: interactive compressed video, expressed-mail videotapes, or the World Wide Web (WWW).

2.4.1 Interactive Compressed Video

Interactive compressed video is delivered in a conference room setting with videoconference equipment or live via computer. The class communicates via ISDN video teleconferencing, with simultaneous Internet video streaming providing two levels of real time backup and material on the web site supplementing the live sessions. This ensures the class will continue, even if technical difficulties arise (HR Course Links Students, managers on four continents, Cornell University Web Page, 1999). According to Joe Kalinowski of IMC at WPI, there are only two or three professors at WPI who teach using interactive compressed video. The reason so few professor use this technology is

that it eliminates the distance education student's freedom to take the class at their convenience. Also, the equipment needed is expensive and not readily available.

2.4.2 Expressed-mail Videotapes

The traditional class is delivered and videotaped in the IMC studio. Many cameras are located throughout the studio to capture different aspects of the professor's delivery (i.e. overheads / lecture material). For the overheads, there are monitors placed on the desks in various locations for the traditional students to see what the professor is presenting. Once the class is complete, the tape is edited and is sent out Second Day Air to all the distance students. For WPI, this is the most popular method of distance education delivery.

2.4.3 World Wide Web

With the increase in Internet technology, the World Wide Web has become another method of distance education delivery. At present, this is used to supplement the above methods. Professors may create a web site for the class, containing a syllabus, class notes, questions asked by students, etc. Web-based education tools provide many ways to increase communication between class members and faculty, including discussion boards, chats, and e-mails (Benefits of Online Learning, Blackboard® Inc., 1999). For example, Lotus Notes can be used for students to communicate with the professors and their peers.

New technological advances are moving the World Wide Web from supplementing the videocassette to engulfing all aspects of the class from delivery to communication. Programs, such as Blackboard®, are available to the professor, but are not yet solely used by WPI for distance course delivery. Some distance education professors at WPI currently use Blackboard®. Blackboard® organizes the course for both the traditional and distance student. Blackboard® can provide weekly discussion questions or problem sets, group assignments, online journals, online guest speakers, online fieldtrips, and an open forum (Instructional Design Tips, Blackboard® Inc. 1998). Blackboard® will in the future also be able to encompass all aspects of the delivery of a distance education class. Blackboard® is a very powerful tool that will greatly enhance WPI's ability to deliver distance education. Currently WPI only uses a small fraction of Blackboard's® capability. All the professors who have used or are currently using the system use it to supplement the videotapes. Each class has its own section. Within that section the professors have posted the syllabus, all the class notes and posted questions from other students. Blackboard® is now being used as the primary chat room or open forum for online, somewhat real time discussions. This will eliminate the Lotus Notes system that is currently used. Eventually the Blackboard® software will eliminate the videotapes and students will be able to log into their class and watch the lecture through their computer.

2.4.4 Programs

Master of Business Administration (MBA), Master of Science (MS) in fire protection engineering, and a Master of Science in civil and environmental

engineering are all offered via ADLN. Although several departments participate in distance learning, our primary focus is the MBA program.

2.4.4.1 MBA program

The MBA program focuses on the management of technology with concentrations in MIS, technology marketing, technological innovation, operations management, and management of technology. The curriculum encompasses leadership, ethics, communication, and a global perspective.

The ADLN program mimics the on-campus program. This IQP will concentrate on the quality of education between the ADLN program and the on-campus program. Figure 1 demonstrates the increase in ADLN registration from the fall of 1993 to the summer of 1999. Notice that ADLN registration has drastically increased from the fall of 1993 to the summer of 1999, paying special attention to the vast increase Individual videotape registration from AB96 (fall)-E99 (summer).

ADLN Registration

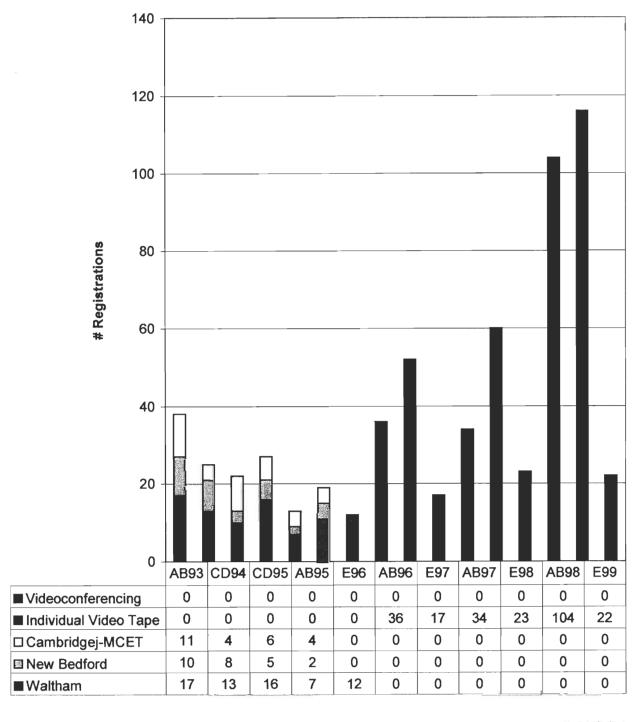


FIGURE 1

2.4.5 Facilities Available for ADLN Students

The above figure shows that the registration in distance education classes has grown and it is predicted that it will continue to grow. Based on these predictions colleges and universities are making more and more facilities available to the distance student. The biggest area for availability is class selection and timing. Schools are beginning to offer not only more classes but classes are offered more frequently making it easier for a distance student to complete their degree. Technology improvements are also helping distance students. Blackboard®, or similar software, offers all aspects of a class in one location. This saves time for the distance student having to search or buy expensive software to communicate with the professor. Some schools are even adding new buildings and parking areas for distance students when they are required to go to campus.

Only a small fraction of improvements can be seen by the students but as technology improves and becomes more readily available students, professors and schools will continue to change.

CHAPTER 3

METHODOLOGY

3.0 Methodology

This project measures the perceptions of graduate students in the

Department of Management whom have been enrolled in distance education

courses. The data will consist primarily of opinions of the students as measured

by the survey.

3.1 Survey Design

A survey was used to gather the opinions of students that have completed at least one distance education class offered by the Department of Management. The survey was designed keeping the overall focus of the project in mind and was limited to just students at WPI. It was felt that including other schools in the data collection would make the project too (go to page 22 now) large to analyze. The goal of the project was to gather information on how students felt in distance classes as opposed to traditional type courses. This was because there were hardly any published reports from the students' point of view. We also added a section collecting data on WPI's newest system, Blackboard®. We used the typical method of design breaking the survey down into parts making correlation easier to perform. We also chose to mix the questions in the final survey to make it more difficult for someone to just answer the questions without actually reading them. One section was designed to give us background information on the survey group. Information such as age, marital status, number of classes taken and employment status was gathered in this section. The next section was concerned with perceptions about distance education at WPI. This section asked questions about the students' opinions concerning delivery and content of the courses. The next section dealt with times and methods of communication with the professor and the rest of the class. The final section asked specific questions about Blackboard® and its effectiveness at WPI. The prototype was developed by the team and the questions were grouped according to how we felt they would deliver the best answers. Once this was done the survey was given to Professor Elmes for his input. At the first revision we added a section for comments so that the students may freely express their opinions other than what we were asking in the questions. The grouping and wording of some of the questions was also adjusted to make them easier to answer. Our next draft was passed on to Professor Kasouf who has a great deal of experience in surveying at WPI. His biggest suggestion was to change the ranking system from a one to five system to a one to seven ranking. He felt that this would allow for a wider range of opinions and give better data for analysis. The final survey can be seen in the attached appendix.

3.2 Survey Group

The survey group was limited to only students who have taken at least one distance education course at WPI. We limited it to this group for three reasons. The first reason was that a larger sampling group would make the project to large for our purpose and it is beyond the scope of our project. The second reason was the data available to us from other schools was limited and that again would cause problems in finishing the project. The final and most important reason was that in our background search we found no information about what the students thought. All the information in the literature dealt with the perceptions and thoughts of experts in the field of distance education and said very little if anything about the students.

Norm Wilkinson provided us with a list of all the students who had completed at least one course in distance education at WPI. The list included names and email addresses. Due to the fact that the project focuses on distance education, (go to page 23) we decided to conduct the survey via email. There were 104 names provided to us yielding a large enough group to sample. Based on statistics if you receive a 20% response you can assume a viable sample group.

3.3 Survey

The survey is attached in the appendices. Each question consisted of a ranking system from 1 to 7 "strongly disagree" to "strongly agree". The survey focused on perceptions of the program versus a "traditional" course. Opinions on different delivery systems, including the new Blackboard® system at WPI as well as questions about interaction between instructor and student were included in the survey. Finally the survey asked questions about personal items such as family, marriage or number of times talking with classmates and the instructor. The data will consist of both qualitative and quantitative data.

Qualitative data dealt mostly with the students' perceptions of the program in the areas of methods of delivery, interaction with the instructor and other students, and the use of Blackboard®. A section was also available for the students to write any additional comments they may have on the program. The quantitative data consisted of general background information on the students, such as age, education level and employment status. More important to us, however, was the quantitative data concerning how frequently the student communicated with their instructor as well as their peers. This quantitative data was used in the analysis section to try to draw some correlations within the groups.

3.4 Analysis

The analysis of the survey was done in two steps. The first step took all of the rankings and found an average value. This average could then be used by the Department of Management and the Media Center to draw quick conclusions and make minor changes to certain programs.

The second part of the analysis took the data and applied it to graphs.

Graphical conclusions were drawn because of the survey sample size as well as the survey populations were limited. Statistical conclusions were too long and drawn out making the data confusing. The graphs can be taken as is or reanalyzed to make more drastic changes to certain programs.

The completed surveys are attached in Appendix B.

CHAPTER 4

RESULTS

4.0 Results

The following section contains the data that was collected using a survey transmitted electronically via email to the students that have taken at least one distance education course from WPI's Department of Management. The reader should recall that there are no widespread published reports on how students feel about distance education. These results should be used by the Department of Management to start monitoring "Customer" satisfaction, where the customer is defined as the student.

4.1 Student Background

Of the 104 email addresses obtained from WPI's Department of Management, 79 addresses were valid. We received 35 completed surveys back from the students giving us a response rate of 44%.

In general, the average respondent is a married, between 30-40 years old, working 40+ hours a week at a full time job. The highest level of education obtained by 63% is a Baccalaureate degree, while 37% reported having a Masters degree. When asked if they would have enrolled at WPI if they could not complete their degree via distance learning, 46% responded that they would not have. Of those, the majority strongly agreed that they would not have enrolled at WPI if distance education were not available.

4.2 Interaction

One of the themes that we encountered during our research was the need for interaction between student and instructor and between the students themselves. The students were asked about the interaction they had with the instructor, frequency of communication with the instructor and the frequency of communication with fellow students.

4.2.1 Student - Instructor Interaction

The students were asked whether the interaction they have with the instructor of the distance education class is comparable to the interaction they have had with instructors of traditional classes. We expected the responses to be neutral to agreeing to indicate a positive outlook on the interaction. The average of the responses was 3.94, indicating that overall; the students slightly disagreed that the level of interaction was the same. Figure 2 shows the response data.

Since the students come from various age groups, we hypothesized that the age of the student would be correlated to the response in question 1. Thus the responses were further analyzed graphically as can be seen in Figure 3 to see if there was any correlation between age and how they felt about the interaction with the instructor. From looking at the graph, no correlation is observed.

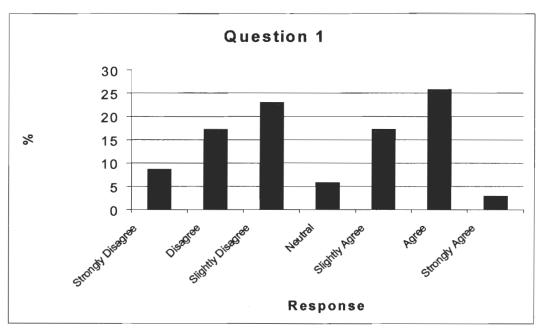


Figure 2. Raw response data for question 1. "The interaction I have with the instructor in my distance education classes is comparable to the interaction I have had with instructors in traditional classes.

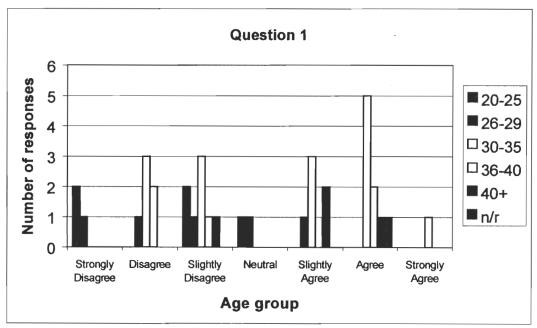


Figure 3 Graphical analysis of age group of respondent versus response to question 1.

4.2.2 Student - Instructor Communication

When asked about the frequency they communicate with the instructor on a weekly basis in question 15, 22% responded they did not communicate with the instructor on a weekly basis and 68% responded with at least 1-2 times per week.

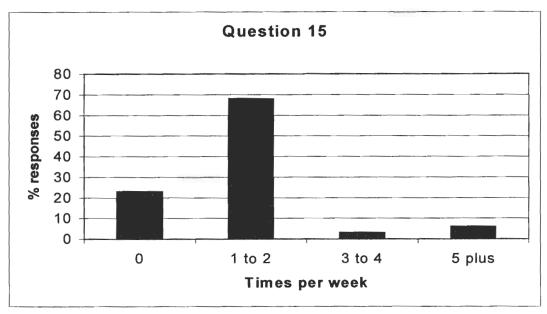


Figure 4 student responses to survey question 15, I communicate with the instructor at least ____ times per week.

4.2.3 Student – Student Communication

An overwhelming majority, 94%, of the respondents participates at least once a week in online discussions with fellow students. Figure 5 shows graphically the % of respondents versus online discussion frequency.

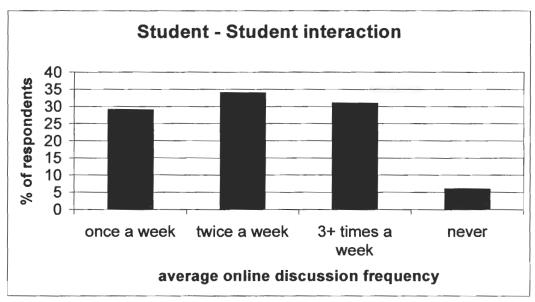


Figure 5. Student responses to survey question 16 "I participate in online discussions at least: .

4.2.4 Student Comments

There were many student comments that related to this section. The comments made by respondent IQPR-012 indicated that he travels frequently on business related travel and thus does not have sufficient time to participate in course related activities. Student IQPR-014 responded, "...because I'm not an extremely outspoken person I felt better able to participate in discussions without having to cut someone else off." Student IQPR-015 responded "The main advantage of these discussion boards (Blackboard.com) is that one get to display

skills to the instructor. It also makes it somewhat easier to ask questions, but I have rarely obtained information in which I had confidence from a discussion board." Student IQPR-016 responded, "In general, communication among team members is very hard. ... I had a bad experience after a big misunderstanding with other members of the group." Student IQPR-017 responded, "Most ADLN professors require that students post 2-5 postings per week on a discussion forum of some type. While this seems like a good way to simulate discussions, it often results in to many messages saying the same thing." This student also went on to say that he felt that too much time was being wasted by students going through all of the postings to stay current. Also, students should be graded on (the) content not the quantity (of postings.)

4.3 Isolation

The students were asked in question 5 if they felt isolated while participating in online discussions with fellow students. As can been seen in Figure 6, the majority of the students responded that they did not feel isolated while participating in online discussions.

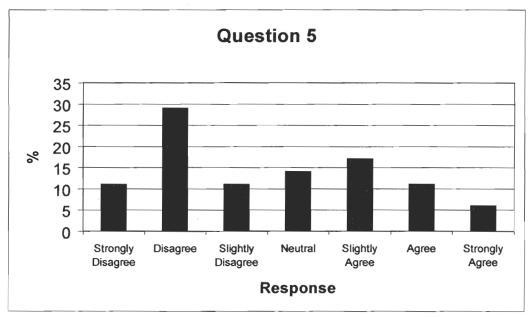


Figure 6: Responses for survey question 5, "I tend to feel isolated while participating in online discussions."

An attempt was made to see if there was a correlation between the feeling of isolation and the frequency of student-student interaction. As can be seen in Figure 7, no correlation is observed.

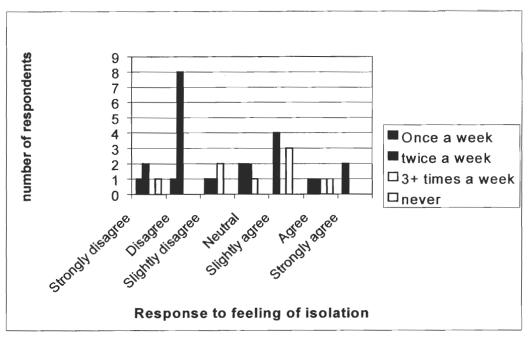


Figure 7. Feeling of Isolation as a factor of frequency of online discussions with fellow students on a weekly basis.

There was one student comment to this section. Student IQPR-012 wrote: "I feel isolated when watching the video." He went on to write that other schools such as Northeastern offer Saturday classes where the students can meet.

4.4 Instructor Feedback

The students were asked if they got adequate feedback from the instructor in question 9. As can be seen in Figure 8, the respondents slightly agreed that the feedback was adequate. There were no comments made by the students to this question.

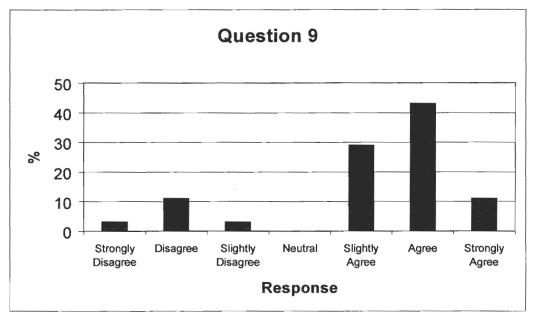


Figure 8. Student responses to survey question 9, "I do not get enough feedback from the instructor."

4.5 Class Material

4.5.1 Videotapes

The students were asked in question 3 if the quality of the videotapes they received was good. As can be seen in Figure 9, an overwhelming majority responded that the quality of the videotapes they received is good. One student did not answer this question.

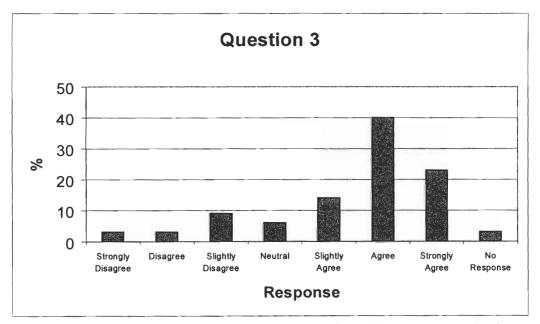


Figure 9: Response to the question "The quality of the videotapes I receive is good."

4.5.1.1 Student Comments

There were quite a few negative student comments to this question.

IQPR-009 who strongly disagreed with this question wrote, "Twice I've received video tapes with nothing on them." IQPR-009 who disagreed that the quality of the videotapes was good stated, "Improve the quality of the tapes. The audio

from the prof(essor) is often muffled (sometimes equipment related – sometimes the prof(essor) just doesn't speak up.) Class comments are sometimes recorded incompletely." Student IQPR-011 slightly agreed that the quality of the tapes is good but made these comments in regards to the actual filming of the class in the studio in which she has participated. "This semester I am in the studio and am not impressed AT ALL with the filming crew. They laugh and you can hear them while class is going on. The camera crew makes rude gestures to the people in the sound both (the middle finger). The studio people aren't paying attention when (the) professor has something on the table that needs to be shown." She also made a suggestion that the videotapes be sent in a plastic box to prevent them from getting wet (when they are delivered on rainy days.) The comment she made about the studio people not paying attention is also addressed by IQPR-021 who stated, "Sometimes (the) videotapes are a little confusing because (the) overhead camera is not showing what the professor is writing."

4.5.2 Homework Assignments

When asked if they were unclear on what they are expected to do for homework assignments in question 13, 66% responded that they at least slightly disagreed with the question. This indicates that overall, the respondents understood what was expected of them for homework assignments.

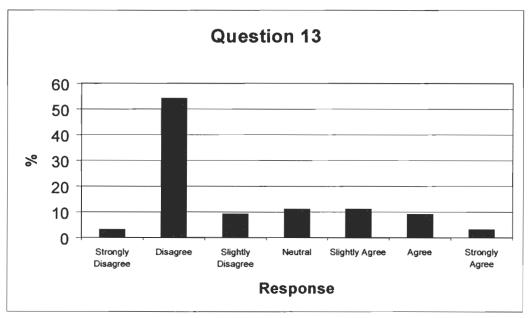


Figure 10. Student responses to survey question 13, "I am often unclear on what I am expected to do for the homework assignments."

4.6 Video Streams versus Videotapes

When asked if they would prefer to receive video streams on the Internet versus videotapes, the students slightly disagreed with an average response of 3.

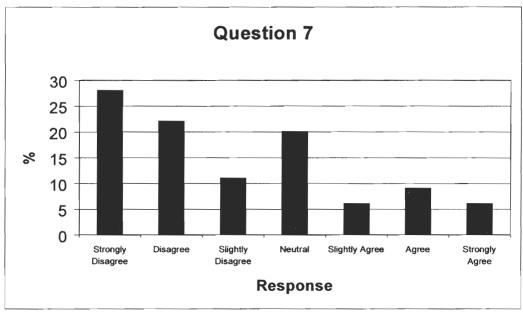


Figure 11. Student responses to survey question 7, "I would prefer to receive video streams on the Internet versus videotapes."

Only one student, IQPR-013, had comments for this question. He stated that he would like to see CD-ROM, DVD or streaming video over the Internet since he does not always have access to a VCR while traveling for work.

4.7 Blackboard.com

Since WPI recently signed a contract with Blackboard.com to use their site to facilitate the program, we added a section in the survey to capture what the students thought of the site. The students were asked 3 questions comparing classes that used Blackboard® to those that did not, and 2 questions that were specific to Blackboard®. Eighteen students responded to this section of the survey. The reader should note that not all of the percentages add up to 100% due to rounding errors.

4.7.1 Flow of Information

The students were asked if the flow of information was easier when Blackboard® was used in addition to videotapes or the Internet. As can be seen in Figure 12, the students agreed by a margin of 2 to 1 that the flow of information was easier when the instructor used Blackboard®.

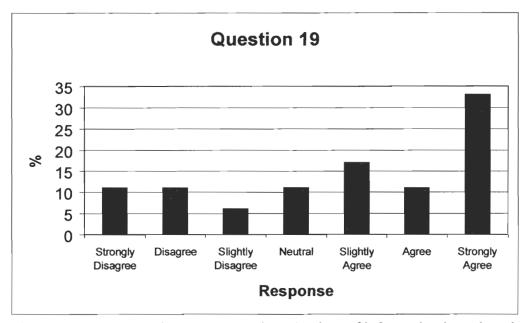


Figure 12. Responses for survey question 19: Flow of information is easier when the Instructor uses Blackboard® in addition to videotapes or the Internet.

4.7.2 Ease of Learning

When asked if it was easier to learn the material when Blackboard® was used, the respondents were split in their opinions as can be seen in Figure 13.

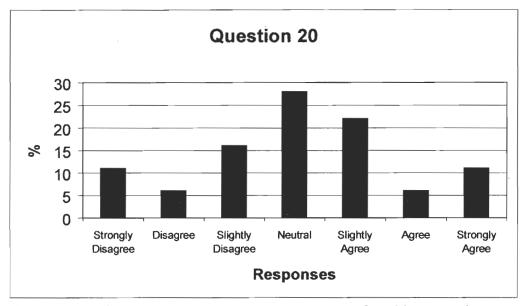


Figure 13. Student responses to survey question 20, "I found it was easier to learn the material when Blackboard® was used."

4.7.3 Online Discussions

The students were asked if they found it easier to participate in online discussions using Blackboard® instead of email or Lotus Notes. As can be seen in Figure 14, more students agreed that it was easier to participate in online discussions using Blackboard®.

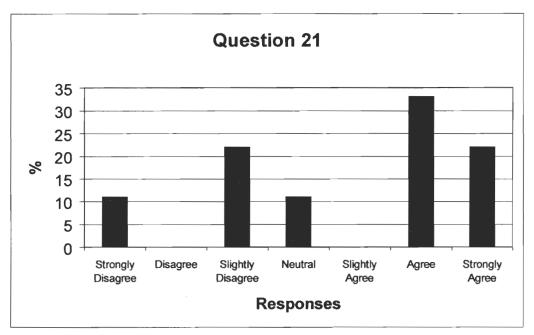


Figure 14. Student responses to survey question 21, "It is easier to participate in online discussions using Blackboard® instead of email or Lotus Notes."

4.7.4 Difficulty in Accessing Blackboard®

The students were asked if they had any difficulty accessing the Blackboard® site. By almost a 3:1 ratio, the students disagreed that they had difficulty in accessing the site. The results are shown in Figure 15. It should be noted that the total percentage does not add up to 100 due to rounding errors.

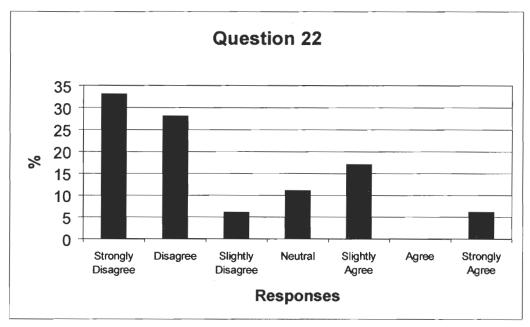


Figure 15. Student responses to survey question 22, "I have difficulty getting into the Blackboard® site to access the class."

4.7.5 Learning

The students were asked if they felt that they have learned more when taking classes that used the Blackboard® site. As can be seen in Figure 16, the students disagreed by a 3:1 ratio that they have learned more when taking classes that used the Blackboard® site.

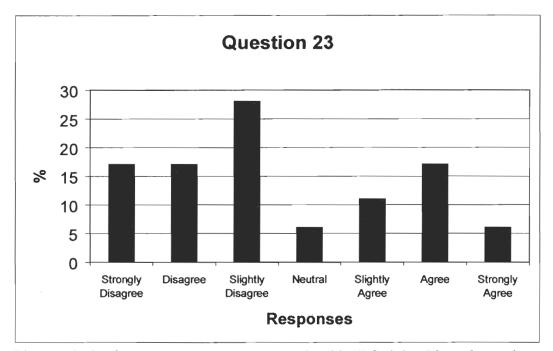


Figure 16. Student responses to survey question 23, "I feel that I have learned more when taking classes that used Blackboard® than those that did not."

4.7.6 Student Comments

Student IQPR-006 commented: "The Blackboard® (site) is very good, but it is only a technology. It can be used effectively or ineffectively. I've only seen the latter so far." Student IQPR-009 wrote; "I have also found using Blackboard® to be more difficult than just using e-mail. The professor used to e-mail the class with updates, where now we have to make sure we constantly check in with Blackboard®. Before Blackboard®, I was able to receive updates on a timelier basis. The reason most of us take classes on ADLN is due to time constraints, and remembering to check all the different areas with Blackboard® is difficult." Student IQPR-033 commented; "Blackboard® use, by far, adds to the functionality and overall benefit of the class. It allows for almost real-time class discussions."

CHAPTER 5

ANALYSIS

5.0 Analysis

In this section, we shall discuss the major areas of concern that have been found during the data analysis. The reader should take note that the data collected are from a specific population of distance education students, namely, those enrolled in the Department of Management. This is mentioned since one may be tempted to generalize all distance education programs at WPI from the results presented. Instead, the results should be used internally by the department and by the WPI Instructional Media Center, to get a better understanding of how their "customers", the students, feel about certain aspects of the program.

5.1 Error

The reader should be aware of the four sources of error that affect surveys; coverage error, sampling error, measurement error and nonresponse error. We will explain what each means and how they impact our results in the following subsections.

5.1.1 Coverage Error

Coverage error occurs when the list from which a sample is drawn does not include all elements of the population that researchers wish to study (How to Conduct Your Own Survey, Salant and Dillman, Wiley, 1994). Since the list of students we obtained were all the current students in the program, our survey does not have this source of error. However, if one should attempt to generalize the all of the distance education programs at WPI, this would be a source of error.

5.1.2 Sampling Error

Sampling error occurs when only a subset of the population is surveyed instead of conducting a census where the entire population is surveyed (How to Conduct Your Own Survey, Salant and Dillman, Wiley, 1994). We in fact did a census of the students enrolled in the Department of Management's distance education program thus eliminating this source of error.

5.1.3 Measurement Error

Measurement error occurs when the a respondent's answer to a given question is inaccurate, imprecise, or cannot be compared in any useful way to other respondent's answers (How to Conduct Your Own Survey, Salant and Dillman, Wiley, 1994). This will account for a large source of error in our results section since the survey was conducted via email and not face to face which would have allowed the respondent to ask for clarification on any question that was not clear.

5.1.4 Nonresponse Error

Nonresponse error occurs when a significant number of people in the survey sample do not respond to the questionnaire *and* are different from those who do in a way that is important to the study (How to Conduct Your Own Survey, Salant and Dillman, Wiley, 1994). We definitely had a significant number of people who did not respond since our response rate was 44%. We can assume that the nonrespondents are different from those that did respond for 2 reasons. First of all, the fact that they did not respond for one reason or another sets them apart from the students that did. Secondly, the nonrespondents may or may not have taken classes using Blackboard®, which would have an impact on the results.

5.2 Interaction

The student comments pertaining to this section should be of use to the department. One student indicated that due to business travel, he is unable to participate in class related activities. The reader should recall that the students who responded have full time jobs that will consume a majority of their time. One student was concerned that the instructor's requirement to post 2-5 postings per week on a discussion forum was being done by the students to just fill a course requirement, not to add value or stimulate discussion. This student went on to say that students should be graded on content not quantity of postings.

5.2.1 Student – Student Interaction

An overwhelming majority, 94%, of the students responded that they communicated at least once a week with their fellow students, which indicates that there is adequate interaction within the student population.

5.2.2 Student – Instructor Interaction

Only 68% of the students responded that they communicated with the instructor at least 1 to 2 times a week. It was identified earlier that an area of concern is student – instructor interaction that is necessary for distance education to be successful. The reader should be cautioned that the students were not asked the frequency of interaction that they felt was necessary for them to feel comfortable with distance education, which was a design flaw discovered while the results were being compiled. This is important since it is very unlikely that

the students would have the same answer if asked how many times a week they think it is necessary to communicate with the instructor.

5.3 Isolation

Almost one third of the respondents indicated that they felt isolated while participating in online discussions. This is an area of concern that needs to be addressed. If the students feel isolated, they will be less likely to participate in the discussion past the point of identifying themselves to the rest of the discussion group. Since interaction is needed for discussions to take place, this area should be addressed.

5.4 Instructor Feedback

The students overwhelmingly replied that they got adequate feedback from the instructor. This is important since students always want to know how they are doing in class.

5.5 Class Material

5.5.1 Videotapes

The biggest area of concern that arose from the data was the issue of quality control of the videotapes. There were numerous student comments surrounding this issue. The reader should refer to section 4.5.1.1 for further detail.

5.5.1.1 Production

One issue is the actual production of the videotapes. Student IQPR-011 made the comment that she attended the studio for a class and was not at all impressed with the filming crew. The comments she made about the conduct of the crew are quite disturbing (rude gestures and not paying attention to the instructor.) Student IQPR-009 commented that the audio is often muffled and student IQPR-021 commented that the overhead camera does not always show what the professor is writing. One student also commented that twice he has received blank videotapes.

5.5.1.2 Packaging

One student mentioned that she has received videotapes on rainy days that were ruined because they were wet. The suggestion was made that the tapes be shipped in plastic boxes. This is good suggestion that should be addressed by the department.

While these issues may seem trivial in nature, the reader should recall that the students who are enrolled in the department of management program are professionals working 40+ hours a week. And since we too are professionals who work in excess of 40 hours a week, we can understand the concerns of the students we have surveyed.

5.5.2 Homework Assignments

Thirty-four percent of the respondents indicated that they were unclear on what they were expected to do for homework assignments. This is another area that needs to be addressed by the department since the students don't interact with the instructor on a daily basis to clarify the homework assignments.

5.6 Video Streams versus Videotapes

Sixty-one percent of the respondents disagreed that they would like to receive video streams over the Internet versus videotapes. One student did indicate that he would prefer to receive CD-ROM or DVD instead of videotapes since he doesn't have access to a VCR while travelling for business. In order for WPI to move forward with technology and take advantage of the Internet further, research should be done to determine why the students do not want to receive video streams.

5.7 Blackboard®

Only 18 of the 35 respondents completed the section of the survey dealing with Blackboard®. While the respondents in general were neutral, the reader should be aware that this is a relatively new method of distance education learning to WPI's department of management. In general, the students were neutral to the use of Blackboard® in distance education. Some found the use to be difficult since the student had to search through all of the areas to see if there were any updates. Some found the online discussion feature to allow for almost real-time class discussions.

CHAPTER 6

CONCLUSIONS AND RECOMMENDATIONS

6.0 Conclusions and Recommendations

This section is to inform the reader of the conclusions we have made from the survey and the recommendations that we have for the Department of Management and the Instructional Media Center.

6.1 Interaction

Conclusion: There may not be sufficient interaction between the students and instructor.

Recommendation: Make the professors aware that some students may not be getting the interaction with them that they need.

Recommendation: Survey the students to determine the amount of interaction with the instructor they feel is necessary.

6.2 Isolation

Conclusion: Thirty-three percent of the respondents felt isolated while participating in online discussions.

Recommendation: Have the students discuss this topic at the beginning of the course to raise their awareness to the issue.

6.3 Videotapes

Conclusion: The quality control of the videotaping process needs to be improved.

Recommendation: Institute a procedure to ensure that the videotapes sent to the students are not blank if one does not currently exist. This can be done by taking a random sample of tapes such as the square root of N, and playing them until video and audio outputs are observed. Where N is defined as the number of tapes made. This method can be used for each recorder machine if it is felt that there is a problem with one or for the entire amount of tapes made.

Recommendation: The employees of the studio should be instructed to act in a professional manner. The use of obscene gestures during filming although not observed by the recipients of the tapes, but by the students in the studio, should not be tolerated. Also, more attention should be paid to the instructor so that what is presented in the studio is actually shown on the videotapes.

Recommendation: Ship the videotapes in a plastic protective box. This will incur an initial up front expense to the school. Since the students are required to return the videotapes, this should be a one-time charge.

6.4 Homework Assignments

Conclusion: Over one-third of the students are unclear on what is expected of them for homework assignments.

Recommendation: The professors may want to inquire of the students if they have any questions on the homework either by email using a form letter or during the taping of the class. This will present the opportunity to the students to ask any questions that they may have about the homework.

6.5 Video Streams versus Videotapes

Conclusion: Sixty-one percent of the respondents did not want to receive video streams on the Internet versus videotapes.

Recommendation: Although the Department of Management does not currently use video streams, research should be done to determine why the students do not want to use this form of distribution. This will allow more flexibility to the department and the students in the future once broadband Internet access becomes available to masses.

6.6 Blackboard®

Conclusion: Not enough students responded to this section for us to make meaningful recommendations about the use of Blackboard®.

Recommendation: Once students have used Blackboard®, this part of the survey should be revisited in a future IQP.

APPENDIX A

SURVEY

APPENDIX A: Survey Questions

Questions 1-14 pertain to your perceptions about distance education classes that you have taken at WPI. 1 indicates you strongly disagree, 4 is neutral and 7 indicates you strongly agree with the statement.

- 1 The interaction I have with the instructor in my distance education classes is comparable to the interaction I have had with instructors in traditional classes.
- 2 The quality of the material I receive from the school is comparable to that which I would receive if I attended regular classes.
- 3 The quality of the videotapes I receive is good.
- 4 The lectures tend to be monotonous.
- 5 I tend to feel isolated while participating in online discussions.
- 6 I tend to keep up with technology.
- 7 I would prefer to receive video streams on the Internet versus videotapes.
- 8 I tend to fast forward the lecturing and play the video when important topics are displayed.
- 9 I do not get enough feed back from the instructor.
- 10 I would not have enrolled at WPI if I could not complete my degree via distance learning.
- 11 The instructions I receive via email or the web page are ambiguous.
- 12 The tech support I receive from WPI is adequate.
- 13 I am often unclear on what I am expected to do for the homework assignments.
- 14 I interact with other students in the class via email on a regular basis.
 Questions 15-18 ask you for the frequency which you do the following: Please put your answers in the next column.
- 15 I communicate with the instructor at least times per week.
 - a) 0
 - b) 1 to 2
 - c) 3 to 4
 - d) 5 plus
- 16 I participate in online discussions with fellow students at least:
 - a) Once a week
 - b) Twice a week
 - c) 3 plus times a week
 - d) never
- 17 I check my email for class related activities at least:
 - a) Once a day
 - b) Twice a day
 - c) 3 plus times a day
 - d) other:

- 18 I watch the video tapes at least:
 - a) Never
 - b) Once
 - c) Twice
 - d) 3 plus times

If you have taken a distance education class using Blackboard, please rank questions 19-23. A rank of 1 indicates you strongly disagree, 4 is neutral, and 7 indicates you strongly agree with the statement.

- 19 The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.
- 20 I found it was easier to learn the material when Blackboard was used.
- 21 It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.
- 22 I have difficulty getting into the Blackboard site to access the class.
- 23 I feel that I have learned more when taking a classes that used Blackboard than those that did not.

General Background Information Please fill in your answer in the next column.

- 24 What is your gender? Male or Female
- 25 Are you married? Yes or No
- 26 Do you have chlidren living at home? Yes or No
- 27 What is your age?
 - a) 20 to 25
 - b) 26 to 29
 - c) 30 to 35
 - d) 35 to 40
 - e) over 40
- 28 What is your highest level of education?
 - a) BS
 - b) MS
 - c) PH.D.
- 29 Employment status:
 - a) Full time
 - b) Part Time
 - c) Unemployed
 - d) Homemaker
 - e) Full Time student

- 30 If you are employed, approximately how many hours a week do you work?
 - a) 1 to 10
 - b) 11 to 20
 - c) 21 to 30
 - d) 31 to 39
 - e)40 to 45
 - f) 45 plus

APPENDIX B

COMPLETED SURVEYS FROM 'ADLN' STUDENTS

	1QFN-001	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	3
	comparable to the interaction may be had with metactors in traditional elabore.	
-	The quality of the material I receive from the school (I.e. syllabus, handouts,	l is
2	etc.) is comparable to that which I would receive if I attended regular classes.	6
	etc.) is comparable to that which I would receive in I attenued regular classes.	
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3	The quality of the videotapes I receive is good.	5
		_
4	The lectures tend to be monotonous.	5
		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
5	I tend to feel isolated while participating in online discussions.	4
		169
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	3
6	faster processor speeds, etc).	
		7
7	I would prefer to receive video streams on the Internet versus videotapes.	4
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	2
\vdash	uispiayeu.	
	I generally get adequate feed back from the instructor.	5
9	r generally get adequate leed back from the instructor.	3
	I I I I I I I I I I I I I I I I I I I	1. Verification (1. Verification)
10	I would not have enrolled at WPI if I could not complete my degree via distance	6
	learning.	
		0.11
11	The instructions I receive via email or the web page are generally clear.	3
12	The tech support I receive from WPI is adequate.	4
		(C. 1)
13		4
	I am often unclear on what I am expected to do for the homework assignments.	· •
14	I interact with other students in the class via email on a regular basis.	5
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
		ner Et see project
15	I communicate with the instructor at least times per week.	b
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	b) 1 to 2	50 C
	c) 3 to 4	
	d) 5 plus	
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16	I participate in online discussions with fellow students at least:	а
	a) Once a week	14 day 20
	b) Twice a week	TO SECURE OF SECURE
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	С
	a) Once a day	There was a trained with the
	b) Twice a day	
	c) 3 plus times a day	author to call the macute of
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
-	b) Once	
	c) Twice	
	d) 3 plus times	
		2004NE (1.09301 NE 1.09301 NE 1.0
	If we have the second s	1234567
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
<u></u>		The Art of
19	The flow of information is easier when the instructor uses Blackboard in addition	
L	to videotapes or the internet.	
		STATE BURNES
20	I found it was easier to learn the material when Blackboard was used.	
24	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	
	, 0	
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	
	those that and not.	
 	General Background Information Please fill in your answer in the next	contestination in the contra
	column.	
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24	What is your gender? Male or Female	m
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25	Are you married? Yes or No	<u>y</u>
		AND THE RESERVE
26	Do you have children living at home? Yes or No	n
27	What is your age?	е
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		Employed the second
28	What is your highest level of education?	a
	a) BS	
	b) MS	
	c) PH.D.	
	<u></u>	Maria Caracteristics

29 Employment status:	а
a) Full time	
b) Part Time	
c) Unemployed	
d) Homemaker	
e) Full Time student	
30 If you are employed, approximately how many hours a week do you work?	е
a) 1 to 10	
b) 11 to 20	and the second second second
c) 21 to 30	
d) 31 to 39	
e)40 to 45	
f) 45 plus	

	IQPR-002	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1234307
1	l	
	comparable to the interaction I have had with instructors in traditional classes.	6
2	The quality of the material I receive from the school (l.e. syllabus, handouts,	7
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	7
4	The lectures tend to be monotonous.	4
5	I tend to feel isolated while participating in online discussions.	5
<u> </u>		
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
		6
6	faster processor speeds, etc).	
		Constitution and the second
7	I would prefer to receive video streams on the Internet versus videotapes.	4
	I tend to fast forward the lecturing and play the video when important topics are	1
8	displayed.	1
9	I generally get adequate feed back from the instructor.	5
		For Common Land Control
	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	1
	icarriing.	
4.1	The instructional receive via small or the web page are generally clear	G
11	The instructions I receive via email or the web page are generally clear.	6
-10	The state of the s	-
12	The tech support I receive from WPI is adequate.	/
13		2
10	I am often unclear on what I am expected to do for the homework assignments.	-
14	I interact with other students in the class via email on a regular basis.	4
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
	r lease put your answers in the next column.	
15	I communicate with the instructor at least times per week.	b
15		D
	a) 0	
	b) 1 to 2	
	c) 3 to 4	A CONTRACTOR OF STREET
	d) 5 plus	
		Transfer to Access to
16	I participate in online discussions with fellow students at least:	а
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
	w/ 110+01	#15#
		Erica Sa

17	I shock my amail for along related patinities at least	
1/	I check my email for class related activities at least:	C
<u></u>	a) Once a day	the state of the s
<u> </u>	b) Twice a day	
<u> </u>	c) 3 plus times a day	
	d) other:	
40		
18	I watch the video tapes at least:	b
	a) Never	
\perp	b) Once	
	c) Twice	
	d) 3 plus times	
		1234567
	If you have taken a distance education class using Blackboard, please	1234307
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
10	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
20	I found it was easier to learn the material when Blackboard was used.	
	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
	01 20100 110100.	
22	I have difficulty getting into the Blackboard site to access the class.	<u></u>
	That's almostly gotting into the Blashboard one to deceed the didect.	-
	I feel that I have learned more when taking classes that used Blackboard than	6
23	those that did not.	
	those that are not	
	General Background Information Please fill in your answer in the next	TO THE REST OF THE PARTY.
	column.	
	COTATITIT.	
24	What is your gender? Male or Female	Male
2-4	What is your gender: Wale or Female	iviale
25	Are you married? Yes or No	×
20	THE YOU MAINEU: 165 OF NO	
26	Do you have children living at home? Yes or No	V
20	Do you have children living actionies lies of two	
27	What is your ago?	d
27	What is your age?	d
<u> </u>	a) 20 to 25	
<u> </u>	b) 26 to 29	
<u></u>	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
0.5		
28	What is your highest level of education?	a
	a) BS	
	b) MS	
	c) PH.D.	

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	The last terms of the last terms.
	d) Homemaker	Salar Service Services
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	b) 11 to 20	southern are an inches
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

I have only taken 1 course via distance learning. It was not the best of courses, but the tape and on-line interaction were more than adequate. I am grateful this is available at WPI. It enabled me to take 2 course in one semester when they were both offe

	141 11-003	
	Questions 1-14 pertain to your perceptions about distance education classes that you have taken at WPI. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you	please enter your response in the cell next to the
	strongly agree with the statement.	question
		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	6
	-	-
-	The surelity of the metarial Lancius from the cohool (La cyllohyo handoute	Temperatus a promoted sections
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	6
		**
4	The lectures tend to be monotonous.	2
-	The lectures tend to be monotonous.	
		1.43.667
5	I tend to feel isolated while participating in online discussions.	2
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	5
 	14466 P10000001 0P0040, 0.07.	
-	Lucy III was fan ta waaring video atrooms on the Internet versus videotomse	2
7	I would prefer to receive video streams on the Internet versus videotapes.	3
	I tend to fast forward the lecturing and play the video when important topics are	2
8	displayed.	2
9	I generally get adequate feed back from the instructor.	7
	1 generally get adequate leed back normal metaster.	
	Lucyld not have excelled at MDI if I could not complete my degree via distance	A Particular and the second se
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
	learning.	
11	The instructions I receive via email or the web page are generally clear.	6
		A SECTION OF SECTION
12	The tech support I receive from WPI is adequate.	5
, 2-	The teen support reserve near the resequence	
13		2
	I am often unclear on what I am expected to do for the homework assignments.	
		24.68
14	I interact with other students in the class via email on a regular basis.	6
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
		the state of the s
15	I communicate with the instructor at least times per week.	b
	a) 0	
	b) 1 to 2	
\vdash	c) 3 to 4	
-		
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	a government of the second
	b) Twice a week	
-	c) 3 plus times a week	
	d) never	
	u) never	with the state of the state of the state of

17	I check my email for class related activities at least:	a
	a) Once a day	Contraction of the second
	b) Twice a day	Street Control (Street
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	1234567
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you stightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
	The flow of information is easier when the instructor uses Blackboard in addition	in agreement strategic word are a comment or
19	to videotapes or the internet.	
	to videotapes of the memet.	
20	I found it was easier to learn the material when Blackboard was used.	
	Tround it was easier to learn the material when Blackbeard was ased.	
	It is easier to participate in online discussions using Blackboard instead of email	Control of the Contro
21	or Lotus Notes.	
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22	I have difficulty getting into the Blackboard site to access the class.	
	That's dimounty getting into the blasticoura site to assess the state.	a comprehensive and the second
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	
	General Background Information Please fill in your answer in the next	
	column.	Wells - Early
24	What is your gender? Male or Female	m
25	Are you married? Yes or No	У
26	Do you have children living at home? Yes or No	у
27	What is your age?	е
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
	-	
28	What is your highest level of education?	а
	a) BS	
	b) MS	
	c) PH.D.	
		Control Control

29 Employment status:	a
a) Full time	
b) Part Time	
c) Unemployed	
d) Homemaker	
e) Full Time student	
30 If you are employed, approximately how many hours a week do you work?	f
a) 1 to 10	
b) 11 to 20	
c) 21 to 30	
d) 31 to 39	
e)40 to 45	
f) 45 plus	A SALES OF STREET

The one class I took was excellent. I put a lot into it and got a lot out of it. Didn't see ant drawbacks to the ADLN process. The class offerings during any given semester seem limited however. For your program to be successful it's going to have to expand it's offerings or you'll see alot of dropouts after one or two classes.

Questions 1-14 pertain to your perceptions about distance education classes that you have taken at WPI. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you disagree, 3 indicates you agree, and 7 indicates you gerey with the statement. The interaction I have with the instructor in my distance education classes is comparable to the interaction I have had with instructors in traditional classes is comparable to the interaction I have had with instructors in traditional classes. The quality of the material I receive from the school (i.e. syliabus, handouts, etc.) is comparable to that which I would receive if I attended regular classes. The quality of the videotapes I receive is good. The quality of the videotape		IQPR-004	
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it's helped tremendously to keep me in the program 11 The instructions I receive via email or the web page are generally clear. 12 The tech support I receive from WPI is adequate. 13 it's helped tremendously to keep me in the program 6 2 - only occasionally			
I would not have enrolled at WPI if I could not complete my degree via distance learning. 11 The instructions I receive via email or the web page are generally clear. 12 The tech support I receive from WPI is adequate. 13	10		1
I would not have enrolled at WPI if I could not complete my degree via distance learning. Note			
learning. program 11 The instructions I receive via email or the web page are generally clear. 6 12 The tech support I receive from WPI is adequate. 6 2 - only occasionally			
11 The instructions I receive via email or the web page are generally clear. 6 12 The tech support I receive from WPI is adequate. 6 2 - only occasionally			
12 The tech support I receive from WPI is adequate. 6 2 - only occasionally		learning.	program
12 The tech support I receive from WPI is adequate. 6 2 - only occasionally			
2 - only occasionally	11	The instructions I receive via email or the web page are generally clear.	6
2 - only occasionally			
2 - only occasionally	12	The tech support I receive from WPI is adequate.	
13 occasionally			- ANTONY SEE SECTION TO PROPERTY.
			-
I am often unclear on what I am expected to do for the homework assignments. unclear	13		1
The state of the s		I am often unclear on what I am expected to do for the homework assignments.	unclear

		C ambu b
		6 - only because
14		of working on
		required projects
	I interact with other students in the class via email on a regular basis.	together
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
15	communicate with the instructor at least times per week	
15		b
	a) 0 b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	A STATE OF THE STATE OF
	a) 5 pius	
16	I participate in online discussions with fellow students at least:	C
-	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
	<u> </u>	
17	I check my email for class related activities at least:	
1 /		a
	a) Once a day	
	b) Twice a day	
_	c) 3 plus times a day	
_	d) other:	
4.0		
	I watch the video tapes at least:	b
_	a) Never	
_	b) Once	
	c) Twice	246
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	1234567
19	The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.	4
\dashv	10 Transcription of the internal	
20	I found it was easier to learn the material when Blackboard was used.	4
	Tround it was easier to rount the material when blackboard was deed.	
\exists	It is easier to participate in online discussions using Blackboard instead of email	
ノココ	or Lotus Notes.	3
22	I have difficulty getting into the Blackboard site to access the class.	2
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
23	I feel that I have learned more when taking classes that used Blackboard than those that did not.	1
\dashv	mose mar did nor.	
		the bold of the board of the second order

24	What is your gender? Male or Female	Female
-	The second secon	
25	Are you married? Yes or No	Y
26	Do you have children living at home? Yes or No	Υ
27	What is your age?	over 30
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	The appropriate programme of
	e) over 40	
		orania de la companya
28	What is your highest level of education?	b (it's an M.A.)
	a) BS	
	b) MS	
	c) PH.D.	
L		of problems are a 1998, reducin
29	Employment status:	а
<u> </u>	a) Full time	
	b) Part Time	
<u> </u>	c) Unemployed	
L	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	Ī
	a) 1 to 10	
	b) 11 to 20	
_	c) 21 to 30	
	d) 31 to 39	The state of the s
	e)40 to 45	
L	f) 45 plus	To the state of th

this every semester, although my preference would be ADLN over in-class for the flexibility it gives me.

	IQPR-005	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	indicates you slightly agree, o mulca	
		1234567
1	The interaction I have with the instructor in my distance education classes is	
	comparable to the interaction I have had with instructors in traditional classes.	1
	The quality of the material I receive from the school (I.e. syllabus, handouts,	-
2	etc.) is comparable to that which I would receive if I attended regular classes.	5
	- Configuration of the trial reserve in attended regular statement	
3	The quality of the videotapes I receive is good.	3
	The quality of the videotapes i receive is good.	A THE INCHES
4	The lectures tend to be monotonous.	2
		4.30
5	I tend to feel isolated while participating in online discussions.	4
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	3
0	laster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	3
		Link .
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	4
_		342 ± 1
9	I generally get adequate feed back from the instructor.	2
9	I generally get adequate leed back from the instructor.	
10	I would not have enrolled at WPI if I could not complete my degree via distance	1
	learning.	
11	The instructions I receive via email or the web page are generally clear.	4
		and the second s
12	The tech support I receive from WPI is adequate.	4
	The took support i toosive hell with a dasquate.	Comment Cont. p. 100 - 1
		3 Tarke Volume 1881
13	I a section of the se	5
	I am often unclear on what I am expected to do for the homework assignments.	
		Calculation (according
14	I interact with other students in the class via email on a regular basis.	2
	Questions 15-18 ask you for the frequency which you do the following:	The second secon
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
	Please put your answers in the next column.	
15	Please put your answers in the next column. I communicate with the instructor at least times per week.	b
15	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0	b
15	Please put your answers in the next column. I communicate with the instructor at least times per week.	b
15	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2	b
15	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4	b
15	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2	b
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus	
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least:	b
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week	
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least:	b
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week b) Twice a week	b
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week b) Twice a week c) 3 plus times a week	b
	Please put your answers in the next column. I communicate with the instructor at least times per week. a) 0 b) 1 to 2 c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week b) Twice a week	b

17	I check my email for class related activities at least:	С
<u> </u>	a) Once a day	
	b) Twice a day	and the second s
	c) 3 plus times a day	27.25
	d) other:	
10	Lucatale the video tance at least	L.
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	Samuel Control of Control
	c) Twice	100 (100 (100 (100 (100 (100 (100 (100
	d) 3 plus times	
	If you have taken a distance advertise alone with District and where	1234567
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	-
		the second secon
19	The flow of information is easier when the instructor uses Blackboard in addition	2
	to videotapes or the internet.	
20	I found it was easier to learn the material when Blackboard was used.	3
		And the second second
21	It is easier to participate in online discussions using Blackboard instead of email	3
21	or Lotus Notes.	3
22	I have difficulty getting into the Blackboard site to access the class.	5
23	I feel that I have learned more when taking classes that used Blackboard than	3
23	those that did not.	3
	General Background Information Please fill in your answer in the next	10 To
	column.	
24	What is your gender? Male or Female	male
		-will state
25	Are you married? Yes or No	yes
26	Do you have children living at home? Yes or No	no
27	What is your age?	b
	a) 20 to 25	
	b) 26 to 29	The state of the state of
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	а
	a) BS	
	b) MS	
	c) PH.D.	**************************************
	0/111.0.	
		Control of the Contro
		and the second specific and the second second

.

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
		Control of the Contro
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	100 mm
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	
		Contraction of the second

good points: video tapes can b watched at any time. Needs improvement: many adln classes use team projects, a assigned team leader or a process to have one decided would be helpful. Class discussion is very difficult to follow since the begging of most

	IQPR-006	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	maioutos y ou originaly ugrees, o maiou	1 2 3 4 5 6 7
<u> </u>	The interaction I have with the instructor in my distance education classes is	1234307
1	comparable to the interaction I have had with instructors in traditional classes.	2
	comparable to the interaction mave had with instructors in traditional classes.	2
	The quality of the material I receive from the colored // a cullaboration to an extension	and the second second second second
2	The quality of the material I receive from the school (l.e. syllabus, handouts,	3
	etc.) is comparable to that which I would receive if I attended regular classes.	
_	The smaller of the mid-standard branching is used	
3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	4
		Charles and a second
5	I tend to feel isolated while participating in online discussions.	5
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	6
		ALL CANADA CO. Law St. 1
7	I would prefer to receive video streams on the Internet versus videotapes.	1
<u> </u>	Trouble project to receive trace direction of the intermediate trace tra	
	I tend to fast forward the lecturing and play the video when important topics are	
0		7
8	displayed.	
9	I generally get adequate feed back from the instructor.	2
		1.444.44.55.51.49.4
10	I would not have enrolled at WPI if I could not complete my degree via distance	2
10	learning.	
		The state of the s
11	The instructions I receive via email or the web page are generally clear.	3
12	The tech support I receive from WPI is adequate.	5
		The second secon
		_
13	I am often unclear on what I am expected to do for the homework assignments.	6
14	I interact with other students in the class via email on a regular basis.	2
17	Timeract with other students in the class via cinal on a regular basis.	2
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	Control of the Control
15	I communicate with the instructor at least times per week.	a
	a) 0	B 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	b) 1 to 2	
	c) 3 to 4	二元 计一件 计
	d) 5 plus	
		APPENDING TO S
16	I participate in online discussions with fellow students at least:	b
	a) Once a week	
	b) Twice a week	312 - 1000 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 -
	c) 3 plus times a week	
	d) never	

17	I shock my amail for close related nativities at least:	
17	I check my email for class related activities at least:	a
_	a) Once a day	
\vdash	b) Twice a day	See all of the second
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	Tindicates you strongly disagree, 2 maisagree, 5	2000 - 12
\vdash	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	5
20	I found it was easier to learn the material when Blackboard was used.	5
21	It is easier to participate in online discussions using Blackboard instead of email	6
	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	2
23	I feel that I have learned more when taking classes that used Blackboard than	6
	those that did not.	
		300
	General Background Information Please fill in your answer in the next column.	
24	What is your gender? Male or Female	Male
25	Are you married? Yes or No	Yes
26	Do you have children living at home? Yes or No	Yes
27	, ,	d
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		U.C.
28	What is your highest level of education?	a
	a) BS	
	b) MS	
	c) PH.D.	
		and the second s

_		
29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	FERRAL POT DESCRIPTION
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	APPLEASE A
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

Videotaped classes are far superior to web-based classes. Web-based classes require that the professor be a very active participant. He or she needs to teach via the web, ask specific questions and probe the students for answers. Without this, the class becomes students discussing issues with students, without any real sense of teaching. The Blackboard is very good, but it is only a technology. It can be used effectively or ineffectively. I've only seen the latter so far. It really requires a committment from the professor to be successful.

	IQFN-007	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	2
	comparable to the interaction i have had with instructors in traditional classes.	207
-	The quality of the material I receive from the school (I.e. syllabus, handouts,	The state of the s
2	etc.) is comparable to that which I would receive if I attended regular classes.	5
	etc.) is comparable to that which I would receive in Latterded regular classes.	
3	The quality of the videotopes I receive is good	NA
3	The quality of the videotapes I receive is good.	IVA
_	The back was dead to be seen as a second of the second of	A L A
4	The lectures tend to be monotonous.	NA
		Day 1
5	I tend to feel isolated while participating in online discussions.	2
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	6
6	faster processor speeds, etc).	
		Three were the
7	I would prefer to receive video streams on the Internet versus videotapes.	2
<u> </u>		
	I tend to fast forward the lecturing and play the video when important topics are	1
8	displayed.	'
		a lawy
9	I generally get adequate feed back from the instructor.	5
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
10	learning.	
11	The instructions I receive via email or the web page are generally clear.	2
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
12	The tech support I receive from WPI is adequate.	4
13		5
13	I am often unclear on what I am expected to do for the homework assignments.	
		2019 70 SALES ST.
14	I interact with other students in the class via email on a regular basis.	5
	Questions 15-18 ask you for the frequency which you do the following:	Land Control of the C
L	Please put your answers in the next column.	and the second of the
15	I communicate with the instructor at least times per week.	b
	a) 0	market transaction of the last
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	b
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
	177 - 1	

		A Committee of the Comm
17	I check my email for class related activities at least:	а
	a) Once a day	
	b) Twice a day	The second second
	c) 3 plus times a day	
	d) other:	
		A LONG THE LONG
18	I watch the video tapes at least:	NA
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	1234567
		and the suppose of the contract of the
19	The flow of information is easier when the instructor uses Blackboard in addition	NIA
19	to videotapes or the internet.	NA
20	I found it was easier to learn the material when Blackboard was used.	NA
		1970 y
21	It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.	1
	0. 20.00 1.000	
22	I have difficulty getting into the Blackboard site to access the class.	7
	Thave difficulty getting into the blackboard site to decess the class.	1
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	3
	those that did hot.	
	Concret Realization Information Diagon fill in your analysis the next	The Land of the State of the St
	General Background Information Please fill in your answer in the next column.	
24	What is your gender? Male or Female	male
		4 4 1
25	Are you married? Yes or No	no
26	Do you have children living at home? Yes or No	no
27	What is your age?	d
	a) 20 to 25	A Committee of the Comm
	b) 26 to 29	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	c) 30 to 35	
	d) 35 to 40	a magazina karangan melanja menjada
	e) over 40	
	O/ 0¥01 TU	<u> </u>
20	M/hat is your highest layed of advection?	
28	What is your highest level of education?	a
	a) BS	
	b) MS	
	c) PH.D.	
		The same of the sa

	· · · · · · · · · · · · · · · · · · ·	Colored March March Colored Co
29	Employment status:	а
	a) Full time	EAST-OFF
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	a) 1 to 10 b) 11 to 20	
	<u> </u>	
	b) 11 to 20	
	b) 11 to 20 c) 21 to 30	
	b) 11 to 20 c) 21 to 30 d) 31 to 39	

I am taking MG546 which does not offer video tapes. Last spring I took MG507 which offered video tapes and I found the class to be more informative. MG507 also used a Lotus Notes/Domino web site which I found to be superior to the Black board. The black board has too many options (pages) and they are not used consistently (i.e. homework assignments found in more than one place and not in sync.). The Notes web site allowed the user to sort discussions by author, date, and subject. Also MG507 had a web site specifically for ADLN students which I think worked better since we have not already had a chance to be heard on a particular subject. MG507 also had focused discusions where the Prof. would pose a question, and the student would in turn spend the following week discussing the one particular issue. MG546 is much more fragmented and one can become overwhelmed by the number of responses ans the diversity of subject matter.

ADLN Survey

	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
1 1	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	l .
-	strongly agree with the statement.	question
1	The Interaction I have with the instructor in my distance education classes is	1234567
	The interaction thave with the instructor in my distance education classes is	<u> </u>
2	The quality of the metarial Leading from the caheal (Le. cyllabus, handaute	
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	-5
	The could be of the could be a second or the country of the countr	
3	The quality of the videotapes I receive is good.	2
	The leading Acad to be	
4	The lectures tend to be monotonous.	2
_		
5	I tend to feel isolated while participating in online discussions.	2
6	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
7	I would prefer to receive video streams on the Internet versus videotapes.	
8	I tend to fast forward the lecturing and play the video when important topics are	1
	(,	
9	I generally get adequate feed back from the instructor.	6
-	gereally ger and roughly from the management	
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
-	Twodia not have emoned at VVI TH Toodia not complete my degree via distance	
11	The Instructions I receive via email or the web page are generally clear.	7
' '	The mattuctions i receive via email of the web page are generally clear.	· · · ·
12	The tech support I receive from MDI is adequate LUMLAT TECH ALLOGO	- 22
12	The tech support I receive from WPI is adequate. WHAT TECH SUPPORT	
40	Lam often unclear an what I am average die de faathe hamawed, accionments	
13	I am often unclear on what I am expected to do for the homework assignments.	2
11		
14	I interact with other students in the class via email on a regular basis.	2
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
_	▼	
15	I communicate with the instructor at least times per week.	Ь
	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
		44.00
16	I participate in online discussions with fellow students at least:	0
1	a) Once a week	
-	b) Twice a week	
-	c) 3 plus times a week	
-	d) never	
	u) lievei	

17	I check my email for class related activities at least:	
· ·	a) Once a day	a
_	b) Twice a day	
	c) 3 plus times a day	
	d) other: 2 70 3 11465 Per WEEK	
18	I watch the video tapes at least:	2
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	1
		-
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	4004507
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	1234567
	indicates you agree, and 7 indicates you strongly agree with the	
	statement.	
19	The flow of information is easier when the instructor uses Blackboard in addition	7
20	I found it was easier to learn the material when Blackboard was used.	5
21	It is easier to participate in online discussions using Blackboard instead of email	7
22	I have difficulty getting into the Blackboard site to access the class.	5
23	I feel that I have learned more when taking classes that used Blackboard than	5
	(BLACKBOARD FACILITATES PHE LOCASTICS OF THE COURSE)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	General Background Information Please fill in your answer in the next	
	column.	***
24	What is your gender? Male or Female	MARE
25	Are you married? Yes or No	YES
26	Do you have children living at home? Yes or No	NO
	•	
27	What is your age?	6
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	a .
	a) BS	
	b) MS	11-11-11-11-11-11-11-11-11-11-11-11-11-
	c) PH.D.	
L		For the state of t

٠,

29	Employment status:	a
20	a) Full time	
-	b) Part Time	
	c) Unemployed	
	d) Homemaker	100000000000000000000000000000000000000
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	
_	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
-	f) 45 plus	
-	Please use the following space for any additional comments that you	
1	would like to make about the distance education program in the	
	Department of Management at WPI.	
	I WILL NOT TAKE ANOTHER PURELY WEB-BASED	
_	COURSE. THE TAPE PORTION OF THE COURSE CONVEYS	
	INFORMATION AND GIVES DISTANCE LEARNERS A	
_	SENSE OF BEING PART OF THE CLASS. FEW OF	
	US HAVE THE BANDWIDTH TO REASONABLY	
_	SUPPORT STREAMING AUDIO FROM A WEB SITE,	
	MUCH CESS STREAMING VIDED.	
	IMPROVE THE QUALITY OF THE TAPES. THE	
_	ANDRO FROM THE PROF IS OFTEN MUFFLED	
_	(SOMETIMES EQUIPMENT RELATED - SOMETIMES	
_	THE PROF SUST TOESN'T SPEAK UP). CLASS	
_	COMMENTS ARE SOMETIMES RECORDED INCOMPLETE	
	BENCHMARK THE PROCESS WITH PROS LIKE THE	
-	OPRAH WINFREY SHOW IF NECESSARY	
	USE BLACKBOARD AS AN ADJUNCT TEACHING	
	TOOL. IT'S BEST FUNCTION IS TO SUPPORT	
	THE LOGISTICS OF THE CORSE	

	IQPR-009	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	
-	strongly agree with the statement.	question 1 2 3 4 5 6 7
-	The interaction I have with the instructor in my distance education classes is	1234367
1		
	comparable to the interaction I have had with instructors in traditional classes.	6
		1988
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	3
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	1
		The second
4	The lectures tend to be monotonous.	4
		NAME OF TAXABLE PARTY.
5	I tend to feel isolated while participating in online discussions.	2
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	CONTRACTOR CONTRACTOR
6	faster processor speeds, etc).	7
<u> </u>	14000 \$1000000 \$50000, 000).	
7	I would prefer to receive video streams on the Internet versus videotapes.	1
	I would prefer to receive video streams on the internet versus videotapes.	l l
_	I tend to fast forward the lecturing and play the video when important topics are	1
88	displayed.	
9	I generally get adequate feed back from the instructor.	6
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
10	learning.	/
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	4
		and Children Co.
		The second secon
13	I am often unclear on what I am expected to do for the homework assignments.	2
_	Taill often unclear on what I am expected to do for the homework assignments.	
4.4		284 274 324
14	I interact with other students in the class via email on a regular basis.	4
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
	·	
15	I communicate with the instructor at least times per week.	а
	a) 0	
	b) 1 to 2	Guide and a second
	c) 3 to 4	
	d) 5 plus	
	-/ - F	error protesting
16	I participate in online discussions with fellow students at least:	NEW HICKORY
10		b
	a) Once a week	The state of the s
	b) Twice a week	
	c) 3 plus times a week	4.4.4.4
	d) never	

		The state of the s
47		
17	I check my email for class related activities at least:	b
	a) Once a day	
	b) Twice a day	
_	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	b
ļ	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
<u> </u>		
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	1234567
	, , , , , , , , , , , , , , , , , , , ,	
19	The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.	2
	to the money	
20	I found it was easier to learn the material when Blackboard was used.	2
	Troute it was easier to four the material when placeboard was about	-
21	It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.	3
22	I have difficulty getting into the Blackboard site to access the class.	11
23	I feel that I have learned more when taking classes that used Blackboard than those that did not.	2
	General Background Information Please fill in your answer in the next column.	And the second s
24	What is your gender? Male or Female	Male
24	vitat is your genuer: Iviale or remaie	iviale
25	Are you married? Yes or No	Yes
20	Are you married: 165 of No	165
26	Do you have children living at home? Yes or No	Yes
20	Do you have official fiving at flottle! Tes of No	103
27	What is your age?	C
21	a) 20 to 25	<u> </u>
	b) 26 to 29	Christian Area Company
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
_	G) UVGI 4U	
20	What is your highest level of advention?	
20	What is your highest level of education?	a
	a) BS b) MS	
	c) PH.D.	
	O) 1 11.D.	
L		

29	Employment status:	а
	a) Full time	
	b) Part Time	The second
	c) Unemployed	F-7000
	d) Homemaker	a da e
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
30	a) 1 to 10	e Taliana Taliana
30	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e
30	a) 1 to 10	e
30	a) 1 to 10 b) 11 to 20	е
30	a) 1 to 10 b) 11 to 20 c) 21 to 30	е
30	a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39	e

I have found Blackboard's discussion database faster than Notes, but more difficult to browse. I've also had technical problems with the video tapes this semester. Twice I've received tapes with nothing on them. I have also found using Blackboard to be more difficult than just e-mail. The professor used to e-mail the class with updates, where now we have to make sure we constantly check in Blackboard. Before Blackboard, I was able to receive updates on a more timely basis. The reason most of us take classes on ADLN is due to time constraints, and remembering to check all the different areas with Blackboard is difficult. A "What's New/Recent updates" section may help. A little quality control on the video tapes would help too.

	IQPR-010	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1234567
4	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	5
	The quality of the material I receive from the school (I.e. syllabus, handouts,	
2	etc.) is comparable to that which I would receive if I attended regular classes.	7
		ACCOUNTS OF THE PARTY OF THE PA
3	The quality of the videotapes I receive is good.	7
4	The lectures tend to be monotonous.	4
-		
5	I tend to feel isolated while participating in online discussions.	7
Ť	J. Control of the con	
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	_
6	faster processor speeds, etc).	5
Ť	14444 (1444)	Control of the Contro
7	I would prefer to receive video streams on the Internet versus videotapes.	4
 	T Would profer to receive video directine of the internet versus videotapes.	
	I tend to fast forward the lecturing and play the video when important topics are	1 A C. T. Cont. of the Astronomy of the
8	displayed.	2
-	uispiayeu	- 2 LL - 640 L
9	I generally get adequate feed back from the instructor.	5
	r generally get adequate leed back from the instructor.	
<u> </u>	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	1
\vdash	learning.	
11	The instructions I receive via email or the web page are generally clear.	6
	The instructions receive via email of the web page are generally clear.	
12	The tech support I receive from WPI is adequate.	6
12	The tech support receive from Wi his adequate.	Complete Company of the Company of t
13	I am often unclear on what I am expected to do for the homework assignments.	2
	Tam often unclear on what Fam expected to do for the nomework assignments.	
11	I interact with other students in the class via email on a regular basis.	6
14	Tilleract with other students in the class via email on a regular basis.	0
	Questions 15-18 ask you for the frequency which you do the following:	
		AND AND DESCRIPTION
	Please put your answers in the next column.	TO SECURE OF A SECURE OF THE SECURE OF
15	I communicate with the instructor at least times per week.	Stell by \$ 5 to \$6
15		b
	a) 0 b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	Asy and the
10	La calicia de la calica discussione vitta fello de de de de de la calica	
16	I participate in online discussions with fellow students at least:	a
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	7 4
	d) never	

17	I check my email for class related activities at least:	b
	a) Once a day	4277 (4) (
	b) Twice a day	
	c) 3 plus times a day	The state of the s
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	44
	c) Twice	er de Jacqu
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24.	12345
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	This location you out origin along too, 2 mail out to you along too, o	Park Mark
19	The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.	The second of the second of
20	I found it was easier to learn the material when Blackboard was used.	THE SECOND SECOND
		Same of the Same
21	It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.	
		and the second second
22	I have difficulty getting into the Blackboard site to access the class.	
		The state of the s
23	I feel that I have learned more when taking classes that used Blackboard than those that did not.	
	General Background Information Please fill in your answer in the next column.	
24	What is your gender? Male or Female	m
25	Are you married? Yes or No	у
26	Do you have children living at home? Yes or No	n
	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	1.45%
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		Service And Sec.
28	What is your highest level of education?	b
	a) BS	o Santa
	b) MS	
	c) PH.D.	
	C/FILD,	
	c) FILD.	

29 Employment status:	а	
a) Full time		
b) Part Time		, en a
c) Unemployed		3.55
d) Homemaker		
e) Full Time student		
30 If you are employed, approximately ho	w many hours a week do you work? f	
a) 1 to 10	al and a second	8 . 1
b) 11 to 20		
c) 21 to 30		1.1
d) 31 to 39		
e)40 to 45	2002	1.76
f) 45 plus		1

When I took an ADLN class, I was a little disappointed in the on-line discussion format. Prof Elmes required us to post, via Lotus Notes, a few responses to fellow students comments as well as our own input on various subjects. This was all well and fine

ADLN Survey

	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
1	The Interaction I have with the Instructor in my distance education classes is	7
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	a 7
3	The quality of the videotapes I receive is good.	5
4	The lectures tend to be monotonous.	5
5	I tend to feel isolated while participating in online discussions.	5
5	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	7
7	I would prefer to receive video streams on the Internet Versus videotapes.	2 .
8	I tend to fast forward the lecturing and play the video when important topics are	6
9	I generally get adequate feed back from the instructor.	7
10	I would not have enrolled at WPI if I could not complete my degree via distance	}
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	\$ 6
13	I am often unclear on what I am expected to do for the homework assignments.	2
14	I interact with other students in the class via email on a regular basis.	7
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
15	I communicate with the Instructor at least times per week.	В
	a) 0	
	b) 1 to 2	
	c) 3 to 4	Action and to the same of the
	d) 5 plus	
		STATE OF THE PROPERTY OF THE P
16	I participate in online discussions with fellow students at least:	C
	a) Once a week	
	b) Twice a week	and the second s
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	
-	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	R
	a) Never	
	b) Once	7//
	c) Twice	The state of the s
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please	
1	answer questions 19-23, otherwise skip to question 24.	
1	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	1234567
	Indicates you agree, and 7 indicates you strongly agree with the	
1	statement.	
19	The flow of information is easier when the instructor uses Blackboard in addition	1
		Water Committee of the
20	I found it was easier to learn the material when Blackboard was used,	And the second of the second second second
	The state of the s	
21	It is easier to participate in online discussions using Blackboard instead of email	i
	t.	76.2
22	I have difficulty getting into the Blackboard site to access the class.	The state of the s
	The state of the s	
23	I feel that I have learned more when taking classes that used Blackboard than	The Control of Control
	The Mary har bearing their taking oldsoos that assa blackboard than	
-	General Background Information Please fill in your answer in the next	Fig. 1. St. Commission of the
}	column.	
24	What is your gender? Male or Female	Female
-		
25	Are you married? Yes or No	No
-		NO.
26	Do you have children living at home? Yes or No	No
		17/10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
27	What is your age?	Б
-	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
\vdash	e) over 40	
28	What is your highest level of education?	AB
٣	a) BS	
	b) MS	
	c) PH.D.	
	M/ 1 1 time.	THE REPORT OF THE PROPERTY OF THE PARTY OF T
-		
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20	Employees white		
28	Employment status:	A CONTRACTOR OF THE CONTRACTOR	
	a) Full time		
	b) Part Time		
	c) Unemployed		
	d) Homemaker	301132	
	e) Full Time student		
		The Hill Street Hill	
30	If you are employed, approximately how many hours a week do you work?	E	
	a) 1 to 10	37 Hz	
	b) 11 to 20		
	c) 21 to 30	C - C - 2	
	d) 31 to 39		
	e)40 to 45		
	1) 45 plus	738-147-14-15-15-15-15-15-15-15-15-15-15-15-15-15-	
-	1) 43 pjus		
-	Please use the following space for any additional comments that you	222222	
1		1	
	would like to make about the distance education program in the		
	Department of Management at WPI.		
1	This semester I am in the studio and		
_			
L.,	am not impressed AT ALL with the		
	Filming CREW. They laugh and you can hear		
	them while class is going on Two weeksago		
	they were playing music very loud in the		
-	Room that is now the back of the class		148
	(entrance door to halluny). Someone had to spe	ak to them to sh	UT 11 01
10	Initially I your ADLN but switched to		
1197	on campous status and & still Receive trapes		
1	They sometimes ship them in cardboard		
-	boxes and When they get wet, the topes		
	are Ruhed. It is better if they send than		
-	in the plastic envelopes.		
	The camera crew makes Rude gestures to the people in the sound booth the middle for		
		When note	100V
	The strain people arent paying attention	Shows	
-	I know this wear they are new but you'd this	h he now	
	the ind of November - they would have to	hen art	
	troother In in Sharon Johnsons MG513	class.	
	This is my last pemaster, In origina	Ily.	
_		/ work!	
	from Jeomster! boulluck W/ your school	(")	

this semest

o sin

	IQPR-012	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	manacator y car engine, y agrees, e anaise	1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	4
	comparable to the interaction mave had with instructors in traditional classes.	7
	The quality of the material I receive from the school (I.e. syllabus, handouts,	The state of the s
2		5
	etc.) is comparable to that which I would receive if I attended regular classes.	Nation Self Sec
	The state of the s	7
3	The quality of the videotapes I receive is good.	7
4	The lectures tend to be monotonous.	4
		2. 10 10 10 10 10 10 10 10 10 10 10 10 10
5	I tend to feel isolated while participating in online discussions.	6
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	4
<u> </u>		
7	I would prefer to receive video streams on the Internet versus videotapes.	2
	I would prefer to receive video streams on the internet versus videotapes.	_
	I tand to fact forward the leaturing and play the yides when important tonics are	State State Company
_	I tend to fast forward the lecturing and play the video when important topics are	5
8	displayed.	
		1 2 2 2 2 2 2 2 marks
9	I generally get adequate feed back from the instructor.	5
10	I would not have enrolled at WPI if I could not complete my degree via distance	4
10	learning.	
11	The instructions I receive via email or the web page are generally clear.	5
		70.
12	The tech support I receive from WPI is adequate.	4
13	I am often unclear on what I am expected to do for the homework assignments.	4
	Tall often and on what fall expected to do for the instrument designments.	1 100 3
11	I interact with other students in the class via email on a regular basis.	3
	Tillteract with other students in the class via email on a regular basis.	
	0 (45.40) (4.5.40)	The state of the s
	Questions 15-18 ask you for the frequency which you do the following:	A SECURITY OF THE PARTY.
	Please put your answers in the next column.	A STATE OF THE STA
15	I communicate with the instructor at least times per week.	0
	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	d
	a) Once a week	-
	b) Twice a week	
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	d
	a) Once a day	D REFER
	b) Twice a day	
_	c) 3 plus times a day	
_	d) other:	
18	I watch the video tapes at least:	b
	a) Never	en or access a
-	b) Once	
-	c) Twice	
	d) 3 plus times	8 98
-		The Child of the Commercial Co
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	mulcates you strongly disagree, 2 mulcates you disagree, 5	
-	The flow of information is easier when the instructor uses Blackboard in addition	A second
19	to videotapes or the internet.	
	to videotapes of the internet.	
20	I found it was assign to leave the masterial when Disalibeard was used	
20	I found it was easier to learn the material when Blackboard was used.	
	It is a seriou to use disjusts in sulling discussions using Disable and instead of secol	
21	It is easier to participate in online discussions using Blackboard instead of email	
	or Lotus Notes.	
-00	Library 1995 and the second side to account the	the state of the s
22	I have difficulty getting into the Blackboard site to access the class.	
	I feel that I have learned more when taking alonges that used Blockhoard than	
23	I feel that I have learned more when taking classes that used Blackboard than	
	those that did not.	
	General Background Information Please fill in your answer in the next	
	column.	
24	M/hat is your gandar? Mala or Famala	NA NA
24	What is your gender? Male or Female	M
25	And was magnified 2. Was an Na	× × × ×
∠5	Are you married? Yes or No	Υ
200	Do you have children living at home? Yes or No	ON DETERMINATION OF THE PROPERTY OF THE PROPER
20	Do you have children living at home? Yes or No	T
27	NATh at in years are 2	
27	What is your age?	е
	a) 20 to 25	
	b) 26 to 29	
<u></u>	c) 30 to 35	
	d) 35 to 40	32.353
\vdash	e) over 40	
	Milestin constitute and level of a few affects	NAC
28	What is your highest level of education?	MS
\square	a) BS	300
	b) MS	***
	c) PH.D.	Augustes and Augustes
\square		
		No. of the Control of

20	Employment status:	а
123		4
	a) Full time	and the second second
	b) Part Time	
	c) Unemployed	Distriction was to the
	d) Homemaker	
	e) Full Time student	Parent
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	11 11 11 11 11 11 11 11 11 11 11 11 11
	d) 31 to 39	marker - white the results.
	e)40 to 45	
	f) 45 plus	

I am not able to spend sufficient time due to business travel for watching the video, or for course participation. I feel isolated when watching the video. I feel that if WPI can arrange some classes on Saturday, as done by Northeastern and other univer

	IQPR-013	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
1	strongly agree with the statement.	question
-	strongly agree with the statement.	1 2 3 4 5 6 7
-	The determinant linear with the destruction of the distance of	1234567
1	The interaction I have with the instructor in my distance education classes is	
L	comparable to the interaction I have had with instructors in traditional classes.	6
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	0
3	The quality of the videotapes I receive is good.	6
		Carlo de Ca
4	The lectures tend to be monotonous.	5
-	The lectures tend to be monotonous.	
5	I tond to feel isolated while participating in online discussions	2
5	I tend to feel isolated while participating in online discussions.	3
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	4
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	7
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	3
	diopitayou.	
9	I generally get adequate feed back from the instructor.	6
9	I generally get adequate leed back north the instructor.	O Maria Maria
<u> </u>		Company of China and A. S. Car-A.
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
	learning.	
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	4
40		
13	I am often unclear on what I am expected to do for the homework assignments.	4
14	I interact with other students in the class via email on a regular basis.	3
17	Timeract with other students in the class via citial on a regular basis.	
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
_		or the Co
15	I communicate with the instructor at least times per week.	b
	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	a
10	a) Once a week	a
<u> </u>		S. Carlotte Control of the Control o
	d) never	
	b) Twice a week c) 3 plus times a week d) never	

17	I check my email for class related activities at least:	d
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
	a) oner.	
1.0		
18	I watch the video tapes at least:	b
	a) Never	and the second s
	b) Once	
	c) Twice	建一个字子对外
	d) 3 plus times	1 16 9 2
	Missan have taken a distance advention slave with Blackboard and	
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	1234567
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
-	, and a support of the support of th	A STATE OF THE VIEW CONTRACTOR
	The flow of information is easier when the instructor uses Blackboard in addition	V / 100 100 100 100 100 100 100 100 100 1
19		
	to videotapes or the internet.	
		# John Street and
20	I found it was easier to learn the material when Blackboard was used.	
<u> </u>	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
	01 2040 110100.	
22	I have difficulty getting into the Blackboard site to access the class.	- Secret Conduction (1877) - George
	Thave difficulty getting into the blackboard site to access the class.	
23	I feel that I have learned more when taking classes that used Blackboard than	
	those that did not.	
	General Background Information Please fill in your answer in the next	10 2 2 2 2 2 2 2 2
	column.	
24	What is your gender? Male or Female	Male
24	What is your gender? Male or Female	Wate
25	Are you married? Yes or No	Yes
26	Do you have children living at home? Yes or No	Yes
27	What is your age?	С
	a) 20 to 25	
\vdash		
$\vdash \vdash$	b) 26 to 29	
	c) 30 to 35	*
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	b
	a) BS	
	b) MS	25 4 C 4 C
	c) PH.D.	
		The state of the s

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	reservations and the
	d) Homemaker	
	e) Full Time student	等更多的数据的数据。 第二章
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	-\40.4-45	The second secon
	e)40 to 45	
	f) 45 plus	

Very important to me that they have the ADLN classes. I would like to see some CD-Rom or maybe even DVD ROM or streaming video over the internet. This would allow me to do my class work wherever I have my laptop (The VCR is not always available). This is especially tru when I travel for work.

	IQFR-014	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
	The interaction I have with the instructor in my distance education classes is	1204007
1	comparable to the interaction I have had with instructors in traditional classes.	6
\vdash	comparable to the interaction i have had with instructors in traditional classes.	6
	The soully of the content of the soul of t	The second of the second
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	7
	etc.) is comparable to that which I would receive if I attended regular classes.	
		1. 24 24 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	The quality of the videotapes I receive is good.	6
		1926 23 THESE
4	The lectures tend to be monotonous.	4
		4.4
5	I tend to feel isolated while participating in online discussions.	2
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
	faster processor speeds, etc).	4
-	laster processor speeds, etc).	
-		2
7	I would prefer to receive video streams on the Internet versus videotapes.	2
	I tend to fast forward the lecturing and play the video when important topics are	3
8	displayed.	
		19414
9	I generally get adequate feed back from the instructor.	6
	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	2
\Box		
11	The instructions I receive via email or the web page are generally clear.	6
' ' 	The medicine i recent via email of the page are generally elean.	
12	The tech support I receive from WPI is adequate.	4
12	The tech support receive from vvi its adequate.	7
\vdash		
13		2
	I am often unclear on what I am expected to do for the homework assignments.	
14	I interact with other students in the class via email on a regular basis.	6
		1000
	Questions 15-18 ask you for the frequency which you do the following:	Strain of a section of the section
	Please put your answers in the next column.	3 51
\Box		
15	I communicate with the instructor at least times per week.	b
	a) 0	9 10 10 10 10 10 10 10 10 10 10 10 10 10
		AND THE RESERVE
	h) 1 to 2	
	b) 1 to 2	
	c) 3 to 4	
	c) 3 to 4 d) 5 plus	
	c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least:	C
	c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week	C
	c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week b) Twice a week	C
	c) 3 to 4 d) 5 plus I participate in online discussions with fellow students at least: a) Once a week	C

17	I check my email for class related activities at least:	b
	a) Once a day	14.3K.3 (.4)
_	b) Twice a day	19 8 19
\vdash	c) 3 plus times a day	
-	d) other:	7-
-		
18	I watch the video tapes at least:	b
	a) Never	D .
	b) Once	100
	c) Twice	-1-1
\vdash	d) 3 plus times	
\vdash		
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	1 2 3 4 5 6 7
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
-		
	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
20	I found it was easier to learn the material when Blackboard was used.	Experience of the property of the contract of
0.4	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	Land to the Land to the Control of the Land
	, , , , , , , , , , , , , , , , , , , ,	
23	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	Western to the
	General Background Information Please fill in your answer in the next	
	column.	
24	What is your gender? Male or Female	male
25	Are you married? Yes or No	yes
		100
26	Do you have children living at home? Yes or No	no
27	What is your age?	С
	a) 20 to 25	Contract GNULL
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	<u> </u>
	e) over 40	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Committee when the le
28	What is your highest level of education?	a
	a) BS	20 P. C. B. B. C. S. C.
	b) MS	
L	c) PH.D.	
L		

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	A Charles Mills and Daniel
30	If you are employed, approximately how many hours a week do you work?	е
	1 4 4 4 4 0	
	a) 1 to 10	
	b) 11 to 20	
	b) 11 to 20	- <u>- 13 1</u>
	b) 11 to 20 c) 21 to 30	
	b) 11 to 20 c) 21 to 30 d) 31 to 39	

I really enjoyed the ADLN class, it worked out better for me for two reasons. The first is convienience It's more flexible, I don't have to watch the tape on a specific day. The second is because I'm not an extremely outspoken person I felt better able to participate in discussions without having to cut someone else off.

	Questions 1-14 pertain to your perceptions about distance education classes that you have taken at WPI. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	please enter your response in the cell next to the question
		1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1234307
1	comparable to the interaction I have had with instructors in traditional classes.	6
-	comparable to the interaction mave had with instructors in traditional classes.	6
		2. 经营销品
2	The quality of the material I receive from the school (l.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	3
-		
5	I tend to feel isolated while participating in online discussions.	2
-	Terra to reer restricted write participating in orinine diseaseions.	_
_	Livery un with the letest transfe in technology /o.g. feeter medern ungrading to	1
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	2
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	1
	I tend to fast forward the lecturing and play the video when important topics are	_
8	displayed.	1
9	I generally get adequate feed back from the instructor.	5
	T generally get adequate leed bask north the metaster.	and the most billed in
	I would not have enrolled at WPI if I could not complete my degree via distance	ARCA 220
10		7
	learning.	
14		
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	6
13		2
13	I am often unclear on what I am expected to do for the homework assignments.	2
14	I interact with other students in the class via email on a regular basis.	4
		THE PARTY OF
\vdash	Questions 15-18 ask you for the frequency which you do the following:	THE WILLIAM TO BE
	Please put your answers in the next column.	10.000
\vdash	riease put your answers in the next column.	
4.5	Louis and a wide the disaster of Louis Alman and Louis Alman a	L.
15	I communicate with the instructor at least times per week.	b
\square	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	а
	a) Once a week	
\vdash	b) Twice a week	
-		
\vdash	c) 3 plus times a week	
	d) never	

17	I shook may amail for along valetad nativities at least	
17	I check my email for class related activities at least:	d3x per week
_	a) Once a day	A DOMESTIC OF STREET
-	b) Twice a day	
	c) 3 plus times a day	
<u> </u>	d) other:	(A)
40		
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
		The state of the s
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	1234567
	indicates you agree, and 7 indicates you strongly agree with the statement.	
	The flew of information is agains when the instructor uses Blockhoord is addition	
19	The flow of information is easier when the instructor uses Blackboard in addition	6
	to videotapes or the internet.	
20	I found it was easier to learn the material when Blackboard was used.	4
20	Thound it was easier to learn the material when blackboard was used.	4
	It is easier to participate in online discussions using Blackboard instead of email	6 (I don't know
21	or Lotus Notes.	A comment of the same
	or Lotus Notes.	Notes)
22	Lhous difficulty getting into the Plackhoard site to access the class	3
	I have difficulty getting into the Blackboard site to access the class.	
	I feel that I have learned more when taking classes that used Blackboard than	4. A.
23	those that did not.	2
	those that did not.	
	General Background Information Please fill in your answer in the next	
	column.	
	OOG. THE STATE OF	
24	What is your gender? Male or Female	M
	Triatio your gondor. India or r origin	¥1.
25	Are you married? Yes or No	Y
	The year married.	
26	Do you have children living at home? Yes or No	Y
	be you have difficult fiving at nome. Tee of the	
27	What is your age?	C
	a) 20 to 25	
	b) 26 to 29	
_	c) 30 to 35	about the second
_	d) 35 to 40	
_	e) over 40	
	9,0101	
28	What is your highest level of education?	а
20	a) BS	а
	b) MS	
	c) PH.D.	
	9) 1 11.03	

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	24 14 HE ()
		全国
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

Comment on Blackboard.com--I think that the discussion board is roughly equivalent to the discussion board we used last year for MG505 with Prof. Klein. The main advantage of these discussion boards is that one gets to display skills to the instructor. It also makes it somewhat easier to ask questions, but I have rarely obtained information in which I had confidence from a discussion board.

The best feedback that I had so far from an ADLN class was MG 504 Marketing, where there were weekly, small homework assignments. This required a lot of thought prior to the lecture. It is probably a lot of work for the instructor, though.B25

	IQPR-016	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1 2 3 4 5 6 7
<u> </u>	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	2
	comparable to the interaction mave had with instructors in traditional classes.	
	The small transition from the colony of the colony to	to you which our built
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	2
ļ	etc.) is comparable to that which I would receive if I attended regular classes.	State of the state
3	The quality of the videotapes I receive is good.	6
		16 A A
4	The lectures tend to be monotonous.	6
		Carrier Extra
5	I tend to feel isolated while participating in online discussions.	3
\Box	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	6
<u> </u>		
7	I would prefer to receive video streams on the Internet versus videotapes.	4
	T Would profer to receive video streams on the internet versus videotapes.	
-	I tend to fast forward the lecturing and play the video when important topics are	ASSESSED AND ASSESSED
		2
8	displayed.	
<u></u>	La constitución de la constituci	5
9	I generally get adequate feed back from the instructor.	5
		Company of the Compan
10	I would not have enrolled at WPI if I could not complete my degree via distance	1
	learning.	
		A SE
11	The instructions I receive via email or the web page are generally clear.	1
12	The tech support I receive from WPI is adequate.	11
13		6
13	I am often unclear on what I am expected to do for the homework assignments.	0
14	I interact with other students in the class via email on a regular basis.	6
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
	1 loade par year anonore in the next column	
15	I communicate with the instructor at least times per week.	h
13		
-	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	A 150 M
	b) Twice a week	
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	b
	a) Once a day	76
	b) Twice a day	S. PAGE STREET
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
\vdash	d) 3 plus times	
		Control of the Contro
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	I maioatoo you ottorigiy alougroo; z maioatoo you alougroo; o	
	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
-	to videotapes of the internet.	
20	I found it was easier to learn the material when Blackboard was used.	
20	Tourid it was easier to learn the material when blackboard was used.	
	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
	or Lotus Notes.	A CONTRACTOR OF THE PROPERTY.
22	I have difficulty gotting into the Blockhoord site to appear the class	
22	I have difficulty getting into the Blackboard site to access the class.	
	I feel that I have learned more when taking classes that used Blackboard than	200036
23	those that did not.	
<u> </u>	lilose that did hot.	
	General Background Information Please fill in your answer in the next	
	column.	
	COLUTIN.	
24	Mhatia yaya gandari. Mala ar Famala	
24	What is your gender? Male or Female	m
25	Ava year magnified? Voc or No.	
25	Are you married? Yes or No	У
26	Do you have children living at home? You an No	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
26	Do you have children living at home? Yes or No	n n
27	NATIONAL IN COLUMN CORON	
21	What is your age?	С
<u> </u>	a) 20 to 25	
	b) 26 to 29	
<u> </u>	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
00		Mary Mary State
28	What is your highest level of education?	а
	a) BS	
	b) MS	A CHECK A LAND
	c) PH.D.	
1		

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	图 数图
	d) Homemaker	1 1 1
	e) Full Time student	A. 64 图 在图
30	If you are employed, approximately how many hours a week do you work?	e
	a) 1 to 10	
	b) 11 to 20	6
	c) 21 to 30	ar nameri
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	Fisher William
		68.4389E8608

in general, communication among team members is very hard. And the level of cooperation /effort in project assignments is not evenly distributed. I had a bad experience after a big misunderstanding with other members of the group. Also I ended up working more than other peers.

Γ		
ĺ	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
\vdash		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	2
	comparable to the interaction i have had with instructors in traditional classes.	
		5 465 460
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	7
_	etc.) is comparable to that which I would receive if I attended regular classes.	
		4
3	The quality of the videotapes I receive is good.	7
4	The lectures tend to be monotonous.	3
<u> </u>	The restarce tona to be menotoned.	
	I tand to feel isolated while participating in online discussions	2
5	I tend to feel isolated while participating in online discussions.	
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	1
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	1
		Harry Hall Tales
\vdash	I tend to fast forward the lecturing and play the video when important topics are	and the state of t
١,	displayed.	6
8	uispiayeu.	
<u> </u>		PERSONAL PROPERTY.
9	I generally get adequate feed back from the instructor.	6
10	I would not have enrolled at WPI if I could not complete my degree via distance	1
10	learning.	'
		A 18 Au
11	The instructions I receive via email or the web page are generally clear.	7
		the second second
12	The tech support I receive from WPI is adequate.	7
12	The tech support receive from vvi his adequate.	4-10-546-2
13		3
	I am often unclear on what I am expected to do for the homework assignments.	
14	I interact with other students in the class via email on a regular basis.	2
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
15	I communicate with the instructor at least times per week.	b
15		Service Service
	a) 0	Dringer (1984)
	b) 1 to 2	
<u> </u>	c) 3 to 4	444444
<u> </u>	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
<u> </u>	d) never	
-	u) novoi	

17	I shock my amail for class related activities at least:	
1/	l check my email for class related activities at least: a) Once a day	С
	b) Twice a day	and the second second second
	c) 3 plus times a day	
	d) other:	
10	Lucatale the video tapas at least.	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
		and the second second second second second second
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3	1234567
	, 0, 0	
19	The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.	7
	to videotapes of the internet.	
20	I found it was easier to learn the material when Blackboard was used.	4
20	Flourid it was easier to learn the material when blackboard was used.	7
	It is easier to participate in online discussions using Blackboard instead of email	Land Consider the Table 1
21	or Lotus Notes.	4
22	I have difficulty getting into the Plankhoard site to access the class	7
22	I have difficulty getting into the Blackboard site to access the class.	<i></i>
	I feel that I have learned more when taking alongs that used Disakhoord then	7 200
ンイ	I feel that I have learned more when taking classes that used Blackboard than those that did not.	3
	those that did not.	
	General Background Information Please fill in your answer in the next column.	The state of the s
24	What is your gender? Male or Famale	fomala
24	What is your gender? Male or Female	female
25	A · · · · · · · · · · · · · · · · · ·	
25	Are you married? Yes or No	yes
26	Do you have children living at home? Yes or No	SEAR DO
20	Do you have children living at nome? Tes or No	no
27	What is your are?	
	What is your age?	b
	a) 20 to 25	
	b) 26 to 29	Section 1997
	c) 30 to 35	
	d) 35 to 40	The same of the sa
	e) over 40	
22	Mhat is your highoot lovel of advection?	h-
	What is your highest level of education?	bs
	a) BS	
	b) MS	274 CM 274 275
\Box	c) PH.D.	197 196 197

29	Employment status:	a
	a) Full time	
	b) Part Time	Harris Harris
	c) Unemployed	14. di 17. di
	d) Homemaker	77.50
	e) Full Time student	4 59
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	4
	e)40 to 45	
	f) 45 plus	ATTATA (E)
		La Company

Questions 1-14 pertain to your perceptions about distance education classes that you have taken at WPI. 1 indicates you strongly disagree, 2 indicates you slightly agree, 3 indicates you agree, and 7 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement. The interaction I have with the instructor in my distance education classes is comparable to the interaction I have had with instructors in traditional classes. The quality of the material I receive from the school (I.e. syllabus, handouts, etc.) is comparable to that which I would receive if I attended regular classes. The quality of the videotapes I receive is good. 4 The lectures tend to be monotonous. 2 I tend to feel isolated while participating in online discussions. 4 I keep up with the latest trends in technology (e.g. faster modem, upgrading to faster processor speeds, etc). I would prefer to receive video streams on the Internet versus videotapes. 1 I tend to fast forward the lecturing and play the video when important topics are displayed. 9 I generally get adequate feed back from the instructor. 6 I would not have enrolled at WPI if I could not complete my degree via distance learning. 1 I the instructions I receive via email or the web page are generally clear. 5 I the instructions I receive via email or the web page are generally clear.	he e
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11 The instructions I receive via email or the web page are generally clear. 5	
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	Section 1
12 The tech support I receive from WPI is adequate.	
	1.54
13,	
I am often unclear on what I am expected to do for the homework assignments.	MANAGEMENT OF THE PROPERTY OF
14 I interact with other students in the class via email on a regular basis.	
Questions 15-18 ask you for the frequency which you do the following:	
Please put your answers in the next column.	
riease put your answers in the next column.	
15 Communicate with the instructor at least times per week.	
a) 0	
b) 1 to 2	188
c) 3 to 4	
d) 5 plus	
u) o pius	
16 I participate in online discussions with fellow students at least:	
a) Once a week	
b) Twice a week	
c) 3 plus times a week	
d) never	
u) never	

		AND THE PARTY OF T
17	I check my email for class related activities at least:	
' '	a) Once a day	a
	b) Twice a day	
	c) 3 plus times a day	
\vdash	d) other:	
	a) other.	The same of the sa
10	I watch the video tapes at least:	h
10	a) Never	D
-	b) Once	union to the second
-	c) Twice	
-	d) 3 plus times	
-	ay o plus times	*
		the second secon
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	1234567
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
-	indicates you agree, and i indicates you strongly agree with the statement.	Maria Caracana
	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	5
	to videotapes of the internet.	S ECTION OF THE SECTION OF THE SECT
20	I found it was easier to learn the material when Blackboard was used.	4
20	Tround it was easier to really the material when blackboard was used.	
	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	6
	01 20140 110100.	
22	I have difficulty getting into the Blackboard site to access the class.	2
	That's amounty getting into the plantagard one to accept the state.	-
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	3
	General Background Information Please fill in your answer in the next	
	column.	
24	What is your gender? Male or Female	m
		18 C.
25	Are you married? Yes or No	у
26	Do you have children living at home? Yes or No	у
		Autorita de Sala
27	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	а
	a) BS	
	b) MS	
	c) PH.D.	

29	Employment status:	а
	a) Full time	
	b) Part Time	4-833 1322-000
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	
		a a Chang

I think the distance education program works great! I do wish there were more classes offered via ADLN for MSOIT. I haven't been without a class to take yet but have a feeling that when I get closer to graduating I may be delayed because a certain class may not be offered when I need it.

	IQPR-019	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1201001
1	comparable to the interaction I have had with instructors in traditional classes.	3
	comparable to the interaction mave had with instructors in traditional classes.	3
<u> </u>	The quality of the meterial I receive from the cohect // a sullabus have less	
2	The quality of the material I receive from the school (l.e. syllabus, handouts,	3
<u> </u>	etc.) is comparable to that which I would receive if I attended regular classes.	
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3	The quality of the videotapes I receive is good.	7
		terral and the second and
4	The lectures tend to be monotonous.	4
5	I tend to feel isolated while participating in online discussions.	3
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	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	7
		100
7	I would prefer to receive video streams on the Internet versus videotapes.	3
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_	I tend to fast forward the lecturing and play the video when important topics are	0.000 (0.000)
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8	displayed.	
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9	I generally get adequate feed back from the instructor.	2
10	I would not have enrolled at WPI if I could not complete my degree via distance	6
10	learning.	0
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11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	6
13	I am often unclear on what I am expected to do for the homework assignments.	6
	Tam enem anotal of macram expected to de for the nomenon decignments.	
11	I interact with other students in the class via email on a regular basis.	6
,	Tifferact with other students in the class via email off a regular basis.	
	Questions 15-18 ask you for the frequency which you do the following:	244
	Please put your answers in the next column.	Agent Charles Selection
		20,400
15	I communicate with the instructor at least times per week.	b
	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	b
	a) Once a week	
	b) Twice a week	7. s. v.
	c) 3 plus times a week	
	d) never	
_	u) 116v6i	

17	I check my email for class related activities at least:	d
17	a) Once a day	u -
-	b) Twice a day	<u> </u>
-	c) 3 plus times a day	The Cart of the Ca
-		
	d) other:	
40		1.
18	I watch the video tapes at least:	D
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
		1234567
	If you have taken a distance education class using Blackboard, please	1234307
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
		164
	The flow of information is easier when the instructor uses Blackboard in addition	_
19	to videotapes or the internet.	7
		200 PM
20	I found it was easier to learn the material when Blackboard was used.	7
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	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	7
	01 20100 1101000.	The state of
22	I have difficulty getting into the Blackboard site to access the class.	1
	Thave difficulty getting into the blackboard site to access the sides.	
	I feel that I have learned more when taking classes that used Blackboard than	-
23	those that did not.	7
	unose that did not.	
	General Background Information Please fill in your answer in the next	
	column.	Anday do vario
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24	What is your gender? Male or Female	m
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25	Are you married? Yes or No	
25	Are you married? Yes or No	у
	D	**************************************
26	Do you have children living at home? Yes or No	<u>y</u>
0.77		
27	What is your age?	d
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	b) 26 to 29	
	c) 30 to 35	~~~~
	d) 35 to 40	
	e) over 40	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		- 10 m
28	What is your highest level of education?	а
	a) BS	
	b) MS	
	c) PH.D.	

29	Employment status:	а
	a) Full time	
	b) Part Time	20 77 7 7 2 8
	c) Unemployed	CHARLES AND SHARE
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	- Part -
	f) 45 plus	

The only comment that can be made about the ADLN program is that the quality of the teachers varies significantly. Professors Elmes and Kasouf are excellent ADLN teachers while others who will remain unmentioned range from terrible to words too ugly to di

_	IQPR-020	
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	indicates you slightly agree, 6 indica	question
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	etc.) is comparable to that which I would receive if I attended regular classes.	
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4	The lectures tend to be monotonous.	4
5	I tend to feel isolated while participating in online discussions.	2
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	6
6	faster processor speeds, etc).	0
7	I would prefer to receive video streams on the Internet versus videotapes.	1
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	2
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9	I generally get adequate feed back from the instructor.	6
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	I would not have enrolled at WPI if I could not complete my degree via distance	A STATE OF S
10	learning.	4
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11	The instructional receive via small or the web nage are generally clear	6
11	The instructions I receive via email or the web page are generally clear.	0
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12	The tech support I receive from WPI is adequate.	6
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	Please put your answers in the next column.	
		全面是在基础的
15	I communicate with the instructor at least times per week.	В
	a) 0	
	b) 1 to 2	
_	c) 3 to 4	
	d) 5 plus	Company of the State
\dashv	-7 - F	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	
	b) Twice a week	A CONTRACTOR OF THE SECOND
$\overline{}$		
_	c) 3 plus times a week	
	d) never	
		A STATE OF THE STA

17	I check my email for class related activities at least:	Α
	a) Once a day	A Bridge Committee
	b) Twice a day	
\vdash	c) 3 plus times a day	
	d) other:	
-	<u> </u>	
18	I watch the video tapes at least:	В
<u> </u>	a) Never	
	b) Once	
\vdash	c) Twice	
-	d) 3 plus times	Will Add to the second second
-	a) o pido times	
	If you have taken a distance education class using Blackboard, please	1234567
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19	The flow of information is easier when the instructor uses Blackboard in addition	
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		A Comment of the Comm
20	I found it was easier to learn the material when Blackboard was used.	
21	It is easier to participate in online discussions using Blackboard instead of email	
	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	
23	I feel that I have learned more when taking classes that used Blackboard than	
	those that did not.	
		SHOW AND AN AREA CONTRACTOR AND A SECOND
	General Background Information Please fill in your answer in the next	
	column.	2 2
		Contract State Contract
24	What is your gender? Male or Female	Male
25	Are you married? Yes or No	Yes
26	Do you have children living at home? Yes or No	Yes
27	What is your age?	E
	a) 20 to 25	
	b) 26 to 29	Control of the control of the
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	A
	a) BS	
	b) MS	
	c) PH.D.	
-		
		The said special state of the said special state of the said state

29	Employment status:	A
	a) Full time	
	b) Part Time	61 * 12.03 - 44
	c) Unemployed	E.D. 1. 7. 200
	d) Homemaker	Section 1
	e) Full Time student	20 KG
		1000
30	If you are employed, approximately how many hours a week do you work?	E
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	STATE OF THE STATE OF
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

The first question about interaction with the professor needs clarification. The interaction is different and difficult to compare. In a class the interaction is more spontaneous and misunderstandings are easily handled. In messages the thoughts are ge

	IQPR-021	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	indicates you slightly agree; o malou	1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1234307
1	· ·	
	comparable to the interaction I have had with instructors in traditional classes.	2
		a with the same of the
2	The quality of the material I receive from the school (l.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	
		1000 500
3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	3
_		recording to the second
5	I tend to feel isolated while participating in online discussions.	7
-	Terra to real isolated with a participating in armine disease.	· · · · · · · · · · · · · · · · · · ·
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
0		6
6	faster processor speeds, etc).	
		. Fr 20 20 20 20
7	I would prefer to receive video streams on the Internet versus videotapes.	2
	I tend to fast forward the lecturing and play the video when important topics are	1
8	displayed.	
		The same of the same
9	I generally get adequate feed back from the instructor.	6
	7 30 10 10 10 10 10 10 10 10 10 10 10 10 10	
	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	7
_	learning.	
11	The instructions I receive via email or the web page are generally clear.	6
11	The instructions receive via email of the web page are generally clear.	
10	The state of the s	0
12	The tech support I receive from WPI is adequate.	6
		7.40
13		3
	I am often unclear on what I am expected to do for the homework assignments.	
		Commence of the Assessment of Land Co.
14	I interact with other students in the class via email on a regular basis.	3
	Questions 15-18 ask you for the frequency which you do the following:	19 712 12 12
	Please put your answers in the next column.	
	1	Color of the Color
15	I communicate with the instructor at least times per week.	b
10		
	a) 0	Security of the second
	b) 1 to 2	
	c) 3 to 4	and the second second
	d) 5 plus	48 - And 1866
		E 15 9 3 5 5 5 5 5
16	I participate in online discussions with fellow students at least:	а
	a) Once a week	Anna Anna Lucino A
	b) Twice a week	
	c) 3 plus times a week	
_	d) never	Walter Barrier
	<u></u>	a carried Carried

17	I check my email for class related activities at least:	
17		С
\vdash	a) Once a day	
<u> </u>	b) Twice a day	
-	c) 3 plus times a day	
-	d) other:	
40	Landa de la Caracteria	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	Extra control of the
	c) Twice	Market and the second
	d) 3 plus times	
		1234567
	If you have taken a distance education class using Blackboard, please	1204007
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
19	The flow of information is easier when the instructor uses Blackboard in addition	2
19	to videotapes or the internet.	3
		· 《董·董··
20	I found it was easier to learn the material when Blackboard was used.	3
	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	4
22	I have difficulty getting into the Blackboard site to access the class.	1
	,, gg	
	I feel that I have learned more when taking classes that used Blackboard than	_
23	those that did not.	2
\vdash	General Background Information Please fill in your answer in the next	
	column.	
\vdash		TO THE REAL PROPERTY.
24	What is your gender? Male or Female	Male
	Triacio jour goriagi. India or romaio	
25	Are you married? Yes or No	Yes
	710 you mamou. 100 of 110	
26	Do you have children living at home? Yes or No	No
20	Do you have dilidien living at nome: Tes of 140	140
27	What is your age?	C
21	a) 20 to 25	C
<u> </u>	b) 26 to 29	to the wife of the second second
<u> </u>	c) 30 to 35	
	d) 35 to 40	ALCOHOLOGICAL CONTRACTOR AND
	e) over 40	A Sept of the second
	M/h-4 is a supplied and level of a disaction?	
28	What is your highest level of education?	а
	a) BS	G. H. G. Francisco
<u> </u>	b) MS	
<u> </u>	c) PH.D.	

29 Employment status: a) Full time b) Part Time c) Unemployed d) Homemaker e) Full Time student 30 If you are employed, approximately how many hours a week do you work? e) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45			
b) Part Time c) Unemployed d) Homemaker e) Full Time student 30 If you are employed, approximately how many hours a week do you work? e a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45	29	Employment status:	а
c) Unemployed d) Homemaker e) Full Time student 30 If you are employed, approximately how many hours a week do you work? e) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45		a) Full time	9.46
d) Homemaker e) Full Time student 30 If you are employed, approximately how many hours a week do you work? e a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45		b) Part Time	
e) Full Time student 30 If you are employed, approximately how many hours a week do you work? a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45			
30 If you are employed, approximately how many hours a week do you work? a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45		d) Homemaker	
a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45		e) Full Time student	
a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45			
b) 11 to 20 c) 21 to 30 d) 31 to 39 e)40 to 45	30	If you are employed, approximately how many hours a week do you work?	е
c) 21 to 30 d) 31 to 39 e)40 to 45		a) 1 to 10	
d) 31 to 39 e)40 to 45		b) 11 to 20	
e)40 to 45		c) 21 to 30	
		d) 31 to 39	
0.45 plus		e)40 to 45	
1) 40 plus		f) 45 plus	

Some times videotapes are a little confusing because overhead camera is not showing what the proffesor is writing.

	IQPR-022	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
-	intercent you originally agree; o marca	1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance advention places in	1234367
1	The interaction I have with the instructor in my distance education classes is	
	comparable to the interaction I have had with instructors in traditional classes.	1
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	2
~	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	6
<u> </u>	The quality of the transcaped freeding is good.	
	The lectures tend to be monotonous.	5
4	The lectures tend to be monotonous.	5
		$A_{ij} = A_{ij} A_{ij} A_{ij} + A_{ij} A_{ij}$
5	I tend to feel isolated while participating in online discussions.	4
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	0
6	faster processor speeds, etc).	6
<u> </u>		
7	I would prefer to receive video streams on the Internet versus videotapes.	6
<u>'</u>	I would prefer to receive video streams on the internet versus videotapes.	
	I tend to fast forward the lecturing and play the video when important topics are	5
8	displayed.	
		The second second
9	I generally get adequate feed back from the instructor.	2
<u> </u>	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	2
<u> </u>		
11	The instructions I receive via email or the web page are generally clear.	5
├	The instructions receive via email of the web page are generally clear.	3
10		Sur
12	The tech support I receive from WPI is adequate.	4
13		5
13	I am often unclear on what I am expected to do for the homework assignments.	
14	I interact with other students in the class via email on a regular basis.	6
<u> </u>		
-	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
	Please put your answers in the next column.	
1=		
15	I communicate with the instructor at least times per week.	а
	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
		A STREET, SELECTION
16	I participate in online discussions with fellow students at least:	а
10	a) Once a week	×
		- 10 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0
	b) Twice a week	
<u></u>	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	a
<u> </u>	a) Once a day	
	b) Twice a day	***
	c) 3 plus times a day	2 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1
-	d) other:	**************************************
-	a) other.	
1.0	I watch the video tapes at least:	i-
10	a) Never	b
-		CONTRACTOR CAPITO
-	b) Once	
-	c) Twice	# 75 TS
_	d) 3 plus times	10 mg
		1234567
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
19	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
		4
20	I found it was easier to learn the material when Blackboard was used.	
24	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	34 34 15 40 0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	That's amounty governg the the blackboard one to decode the state.	
	I feel that I have learned more when taking classes that used Blackboard than	The state of the s
23	those that did not.	
	anoto that are not	
<u> </u>	General Background Information Please fill in your answer in the next	
	column.	
	COMMIN.	
24	What is your gender? Male or Female	Female
24	What is your gender: Male or remaie	1 Ciliale
25	Are you married? Yes or No	20
25	Are you married? Yes or No	no
26	Davis have differentiation at home 2. Voc. on No.	
26	Do you have children living at home? Yes or No	no
0.77	1AB 1':	
27	What is your age?	b
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		W. State
28	What is your highest level of education?	a
	a) BS	4.
	b) MS	
	c) PH.D.	The second secon

29	Employment status:	а
	a) Full time	
	b) Part Time	(1)
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
		The second second second
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	b) 11 to 20	A THE PLANE
	c) 21 to 30	State of the Later of
	d) 31 to 39	1950 FE
	e)40 to 45	F 12
	f) 45 plus	H12 15 12 12 12 12 12 12 12 12 12 12 12 12 12

_	IQPR-023	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	, <u>, , , , , , , , , , , , , , , , , , </u>	1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	6
-	comparable to the interaction i have had with instructors in traditional classes.	
-	The quality of the material I receive from the school (I.e. syllabus, handouts,	
2	etc.) is comparable to that which I would receive if I attended regular classes.	7
	etc.) is comparable to that which i would receive it i attended regular classes.	ESSECTION OF THE PROPERTY OF T
3	The quality of the videotapes I receive is good.	4
3	The quality of the videotapes freceive is good.	4
4	The lectures tend to be monotonous.	2
4	The rectures tend to be monotonous.	3
	I have the feet in the tart while months a stine in a prime discussions	
5	I tend to feel isolated while participating in online discussions.	4
		OSSESSED AND A SECOND
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	7
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	6
		Autota a Laboratoria
	I tend to fast forward the lecturing and play the video when important topics are	2
8	displayed.	
9	I generally get adequate feed back from the instructor.	6
10	I would not have enrolled at WPI if I could not complete my degree via distance	3
10	learning.	
		PROPERTY OF THE PROPERTY OF TH
11	The instructions I receive via email or the web page are generally clear.	7
12	The tech support I receive from WPI is adequate.	5
13		2
13	I am often unclear on what I am expected to do for the homework assignments.	2
14	I interact with other students in the class via email on a regular basis.	7
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
		Mariota :
15	I communicate with the instructor at least times per week.	d
<u> </u>	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
\vdash		
16	I participate in online discussions with fellow students at least:	C
	a) Once a week	
	b) Twice a week	22 0 S 20 00 00 4 4
	c) 3 plus times a week	
	d) never	
		THE STREET STREET

17	I check my email for class related activities at least:	С
	a) Once a day	C
-	b) Twice a day	A A STATE OF THE S
-	c) 3 plus times a day	4
	d) other:	
\vdash	a) other.	
18	I watch the video tapes at least:	b
	a) Never	D
	b) Once	
	c) Twice	- 40 7 P - 27 F - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
	d) 3 plus times	
	u) 5 plus times	
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	Thirdioacco you octorigly alougiou, 2 maioacco you alougiou, o	
	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
	to videotapes of the internet.	THE SHARKER OF STREET
20	I found it was easier to learn the material when Blackboard was used.	1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965
20	I found it was easier to learn the material when blackboard was used.	
	It is a saint to participate in a clima discussions using Disable and instead of annuit	
21	It is easier to participate in online discussions using Blackboard instead of email	
	or Lotus Notes.	_
22	I have difficulty getting into the Blackhoard site to access the class	22 th 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
22	I have difficulty getting into the Blackboard site to access the class.	
	I feel that I have learned more when taking algebra that wood Digath and then	
23	I feel that I have learned more when taking classes that used Blackboard than	
	those that did not.	
	Consul Post are and Information Discoo fill in your answer in the next	V
	General Background Information Please fill in your answer in the next	
	column.	
	DATE L'A CONTRACTOR AND	4 4 1 ·
24	What is your gender? Male or Female	Male
25	Are you married? Yes or No	Yes
00	De contra de librar de la contra del contra de la contra del la contra del la contra del la contra de la contra de la contra de la contra de la contra del la contra del la contra de la contra de la contra del	
26	Do you have children living at home? Yes or No	Yes
		Control of the Control
27	What is your age?	d
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	3 7 Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	d) 35 to 40	20
	e) over 40	
		Turken many
28	What is your highest level of education?	b
	a) BS	and the second
	b) MS	and the second second
	c) PH.D.	Contraction with the State of t
		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

29	Employment status:	a
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	The state of the s
	b) 11 to 20	
-	c) 21 to 30	5. 4. 6. 图 5. 1
	d) 31 to 39	
	e)40 to 45	March 1988
	f) 45 plus	

	IQPR-024	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	3
-	estiparable to the interaction in have had with methodolog in traditional classes.	
\vdash	The quality of the material I receive from the school (I.e. syllabus, handouts,	CHARLES THE
2		6
	etc.) is comparable to that which I would receive if I attended regular classes.	
<u></u>		
3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	6
5	I tend to feel isolated while participating in online discussions.	6
\vdash	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	THE PERSONS THE SURVINGE
6	faster processor speeds, etc).	6
۳		The Section of the Se
7	I would prefer to receive video streams on the Internet versus videotapes.	1
<u> </u>	I would prefer to receive video streams on the internet versus videotapes.	
<u> </u>		
١.	I tend to fast forward the lecturing and play the video when important topics are	3
8	displayed.	
9	I generally get adequate feed back from the instructor.	6
40	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	3
		Agriculated Section
11	The instructions I receive via email or the web page are generally clear.	6
<u> </u>	The management of the manageme	104-530-530-5
12	The tech support I receive from WPI is adequate.	6
12	The teen support receive nom viril adequate.	
<u> </u>		43
13		5
	I am often unclear on what I am expected to do for the homework assignments.	The state of the s
L		
14	I interact with other students in the class via email on a regular basis.	4
		10 to 40 mg 4 mg
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
15	I communicate with the instructor at least times per week.	а
	a) 0	4.24.944.46.24
	b) 1 to 2	THE HELD THE STATE OF
	c) 3 to 4	
	d) 5 plus	The state of the s
	ια) ο ριασ	
40		
16	I participate in online discussions with fellow students at least:	a
	a) Once a week	
	b) Twice a week	4-214
	c) 3 plus times a week	
	d) never	

check my email for class related activities at least:	b
a) Once a day	
b) Twice a day	
c) 3 plus times a day	William Co.
d) other:	
watch the video tapes at least:	b
, and a second	
	A MANUFACTURE ST
	ST TO ST
7/ 0 plus times	
answer questions 19-23, otherwise skip to question 24.	123456
o videotapes or the internet.	
	2010年191日
found it was easier to learn the material when Blackboard was used.	
have difficulty actting into the Plankhaard site to appear the class	Shadydfatar e a 1
have difficulty getting into the blackboard site to access the class.	
feel that I have learned more when taking alonger that used Plackhoard than	
nose that did not.	TO A CONTRACT DAMAGE.
Conoral Registround Information Places fill in your answer in the payt	
JOIUMIN.	
What is your gender? Male or Female	female
rynat is your genuer: Iware or remaie	
	La Maria Harris
Are you married? Yes or No	
Are you married? Yes or No	no
	no
Are you married? Yes or No Do you have children living at home? Yes or No	
Do you have children living at home? Yes or No	no no
Do you have children living at home? Yes or No What is your age?	no
Do you have children living at home? Yes or No What is your age? a) 20 to 25	no no
Oo you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35	no no
Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education?	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education? a) BS	no no a
What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education?	no no a
	I watch the video tapes at least: a) Never b) Once c) Twice d) 3 plus times If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement. The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet. If found it was easier to learn the material when Blackboard was used. It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes. If have difficulty getting into the Blackboard site to access the class. If feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column.

29 Employment status:	а
a) Full time	
b) Part Time	
c) Unemployed	
d) Homemaker	1000 m (2000)
e) Full Time student	
30 If you are employed, approximately how many hours a week do you work?	f
a) 1 to 10	184
b) 11 to 20	
c) 21 to 30	
d) 31 to 39	
e)40 to 45	
f) 45 plus	

	IQPR-025	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
1	The interaction I have with the instructor in my distance education classes is	
Ľ.	comparable to the interaction I have had with instructors in traditional classes.	4
	The quality of the material I receive from the school (I.e. syllabus, handouts,	0
2	etc.) is comparable to that which I would receive if I attended regular classes.	6
3	The quality of the videotapes I receive is good.	6
-	The quality of the videotapes receive is good.	
	The lead-was tond to be manufacture.	2
4	The lectures tend to be monotonous.	2
5	I tend to feel isolated while participating in online discussions.	1
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	6
6	faster processor speeds, etc).	0
		The state of the s
7	I would prefer to receive video streams on the Internet versus videotapes.	4
·	Thousa protot to receive video attention of the fine fine video trace video at	
	I tend to fast forward the lecturing and play the video when important topics are	
0		3
8	displayed.	
9	I generally get adequate feed back from the instructor.	5
10	I would not have enrolled at WPI if I could not complete my degree via distance	6
10	learning.	0
11	The instructions I receive via email or the web page are generally clear.	6
		14-2-1
12	The tech support I receive from WPI is adequate.	6
12	The tech support receive non Wir is adequate.	
		Contract of the second
13		2
	I am often unclear on what I am expected to do for the homework assignments.	
		A contractor for
14	I interact with other students in the class via email on a regular basis.	6
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
		A CONTROL AND SHAPE
15	communicate with the instructor at least times per week.	b
-	a) 0	2
_		
	b) 1 to 2	
	c) 3 to 4	
\vdash	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
	w/ 110+01	

		The second second second second
17	Lobook my amail for along related activities at least	- 1 To 1 T
17	I check my email for class related activities at least:	С
<u> </u>	a) Once a day	4 7 1
	b) Twice a day	The North Control
-	c) 3 plus times a day	The Carlot of March 1997
_	d) other:	Market Committee
40	Lucated the wide a terror at least	
18	I watch the video tapes at least:	b
_	a) Never	CARLED B. B.
<u> </u>	b) Once	
	c) Twice	
	d) 3 plus times	F 42 - 42 - 42 - 42 - 42 - 42 - 42 - 42
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	1234567
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
	The flore of the form the transition for the transition of the tra	
19	The flow of information is easier when the instructor uses Blackboard in addition	6
	to videotapes or the internet.	
		<u> </u>
20	I found it was easier to learn the material when Blackboard was used.	6
<u></u>		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
21	It is easier to participate in online discussions using Blackboard instead of email	6
	or Lotus Notes.	
		100 Pr 1
22	I have difficulty getting into the Blackboard site to access the class.	2
23	I feel that I have learned more when taking classes that used Blackboard than	6
	those that did not.	
L.		14 TEST (184)
	General Background Information Please fill in your answer in the next	
	column.	<u> </u>
		17 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M
24	What is your gender? Male or Female	m
0.5	A	70.05.6.31
25	Are you married? Yes or No	n
00	Description of the self-transfer of the self-transf	
26	Do you have children living at home? Yes or No	n
07	1A/I - 1 '	
27	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	- <u> </u>
	d) 35 to 40	
	e) over 40	
0.0		
28	What is your highest level of education?	а
	a) BS	Carlo San Carlo
	b) MS	
	c) PH.D.	

29	Employment status:	a
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	1
30	If you are employed, approximately how many hours a week do you work?	d
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

	IQFR-020	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	manualist year ong. ay agite, a maisa	1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1204001
1	comparable to the interaction I have had with instructors in traditional classes.	2
<u> </u>	comparable to the interaction i have had with instructors in traditional classes.	3
-		
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	5
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	4
5	I tend to feel isolated while participating in online discussions.	6
-		
<u> </u>	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6		6
6	faster processor speeds, etc).	
<u> </u>		
7	I would prefer to receive video streams on the Internet versus videotapes.	6
	I tend to fast forward the lecturing and play the video when important topics are	6
8	displayed.	
9	I generally get adequate feed back from the instructor.	5
	I would not have enrolled at WPI if I could not complete my degree via distance	A THE STATE OF THE
10	learning.	1
11	The instructions I receive via email or the web page are generally clear.	4
	The mandalona reserve via chian of the web page are generally oldar.	
12	The tech support I receive from WPI is adequate.	2
12	The tech support receive non viris adequate.	<u> </u>
		14,575-75 F-256
13	I de la companya de l	4
	I am often unclear on what I am expected to do for the homework assignments.	
14	I interact with other students in the class via email on a regular basis.	3
		2650 2650
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
		production of the state of the
15	I communicate with the instructor at least times per week.	b
_	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	* 4
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10	Logiticinate in online discussions with follow students at least:	b
16	I participate in online discussions with fellow students at least:	U
<u> </u>	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	b
-	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
-	d) other:	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	· · · · · · · · · · · · · · · · · · ·
-	a) o più a mileo	
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
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	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	
	to videotapes of the internet.	
20	I found it was easier to learn the material when Blackboard was used.	**************************************
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	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	
	01 20100 1101000.	
22	I have difficulty getting into the Blackboard site to access the class.	A STATE OF THE STA
	That's almostly gotting the the Europe to the telepool to the end of	
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	
	General Background Information Please fill in your answer in the next	
	column.	
		医侧侧 医骨骨
24	What is your gender? Male or Female	Female
25	Are you married? Yes or No	Yes
26	Do you have children living at home? Yes or No	no
27	What is your age?	b
	a) 20 to 25	
	b) 26 to 29	"全个人的"。 1
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		d to service a financial post of a
28	What is your highest level of education?	b
	a) BS	
	b) MS	
	c) PH.D.	

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	- Para 1 g
	b) 11 to 20	
	c) 21 to 30	Ment Bit
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	W 2000
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dicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 dicates you slightly agree, 6 indicates you slightly disagree, 4 is neutral, 5 dicates you slightly disagree, 2 indicates you slightly disagree, 4 is neutral, 5 indicates yo	please enter your response in the cell next to the question 1 2 3 4 5 6 7 5 6
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emparable to the interaction I have had with instructors in traditional classes. The quality of the material I receive from the school (I.e. syllabus, handouts, c.) is comparable to that which I would receive if I attended regular classes. The quality of the videotapes I receive is good. The lectures tend to be monotonous. The lectures tend to be monotonous. The lectures tend to feel isolated while participating in online discussions. The lectures tend to feel isolated while participating in online discussions.	5 6 7 2
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c.) is comparable to that which I would receive if I attended regular classes. The quality of the videotapes I receive is good. The lectures tend to be monotonous. The lectures tend to be monotonous. The lectures tend to feel isolated while participating in online discussions. The lectures tend to feel isolated while participating in online discussions.	7
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end to feel isolated while participating in online discussions. seep up with the latest trends in technology (e.g. faster modem, upgrading to	THE RESERVE OF THE PARTY OF THE
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eep up with the latest trends in technology (e.g. faster modem, upgrading to	1
eep up with the latest trends in technology (e.g. faster modem, upgrading to	REPORT NAME OF
	30 18 - 10 - 10 - 10 - 10 - 10 - 10 - 10
	7
ster processor speeds, etc).	
yould prefer to receive video streams on the Internet versus videotapes.	7
	4
splayed.	<u> </u>
generally get adequate feed back from the instructor.	6
vould not have enrolled at WPI if I could not complete my degree via distance	-
	7
ne instructions I receive via email or the web page are generally clear	6
to motivations i receive via email of the web page are generally elean.	
ne tech support Lireceive from WPL is adequate	5
le tech support l'eceive non vir ils adequate.	2.
	2
im often unclear on what I am expected to do for the homework assignments.	
nteract with other students in the class via email on a regular basis.	5
uestions 15-18 ask you for the frequency which you do the following:	
ease put your answers in the next column.	
communicate with the instructor at least times per week.	b
5 plus	The second secon
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	and the second
Twice a week	A CONTRACTOR OF THE CONTRACTOR
3 plus times a week	CHARLES OF
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never	A PART OF THE STATE OF THE STAT
	would not have enrolled at WPI if I could not complete my degree via distance arning. The instructions I receive via email or the web page are generally clear. The tech support I receive from WPI is adequate. The often unclear on what I am expected to do for the homework assignments. The teract with other students in the class via email on a regular basis. The destrictions 15-18 ask you for the frequency which you do the following: The ease put your answers in the next column. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week. The communicate with the instructor at least times per week.

17	I check my email for class related activities at least:	
'	a) Once a day	С
	b) Twice a day	Society and the second
<u> </u>	c) 3 plus times a day	A STANDARD CONTRACTOR
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	J
	b) Once	The second of th
_	c) Twice	Laborate and C. S.
 	d) 3 plus times	
_	a) 5 plus times	A STANDARD BOOM STANDARD
		4004507
	If you have taken a distance education class using Blackboard, please	1234567
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	, , ,	
	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	7
20	I found it was easier to learn the material when Blackboard was used.	7
		er de distrib
~	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	7
22	I have difficulty getting into the Blackboard site to access the class.	1
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	6
	General Background Information Please fill in your answer in the next	
	column.	
24	What is your gender? Male or Female	male
25	Are you married? Yes or No	yes
26	Do you have children living at home? Yes or No	yes
27	What is your age?	b
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -
28	What is your highest level of education?	b
	a) BS	
	b) MS	
	c) PH.D.	
		and the second s

Employment status:	l a
a) Full time	
p) Part Time	THE REPORT OF THE PARTY AND A
c) Unemployed	
d) Homemaker	SERVICE PROPERTY.
e) Full Time student	TERRORE PR
	787567000
f you are employed, approximately how many hours a week do you work?	f
a) 1 to 10	2.450 mm to 1.751
o) 11 to 20	Exhed-depen
c) 21 to 30	122211
d) 31 to 39	CARACTER SANGE
e)40 to 45	
) 45 plus	PROPERTY.
	Control Control (see See
	b) Part Time c) Unemployed d) Homemaker e) Full Time student f you are employed, approximately how many hours a week do you work? a) 1 to 10 b) 11 to 20 c) 21 to 30 d) 31 to 39 e) 40 to 45

_	IQPR-028	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
İ	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
-	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	1
-	Comparable to the interaction i have had with instructors in traditional classes.	PART THE PROPERTY OF THE SECTION
-	The quality of the material I receive from the coheel (I a collaboration to	The state of the s
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	2
-	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	5
4	The lectures tend to be monotonous.	4
5	I tend to feel isolated while participating in online discussions.	5
\vdash	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	_
6	faster processor speeds, etc).	3
۳	laster processor speeds, ctoj.	
7	I would prefer to receive video streams on the Internet versus videotapes.	1
<u> </u>	would prefer to receive video streams on the internet versus videotapes.	I make the second of the secon
<u> </u>		177-18
_	I tend to fast forward the lecturing and play the video when important topics are	7
8	displayed.	
9	I generally get adequate feed back from the instructor.	1
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
10	learning.	-1
11	The instructions I receive via email or the web page are generally clear.	1
12	The tech support I receive from WPI is adequate.	4
- -	The test eapper 17000 to not the test and action	
		TOO, OR TO SEE WITH SHAPE
13	l am often unclear on what I am expected to do for the homework assignments.	7
	all often unclear on what I am expected to do for the normework assignments.	R Part 1
4.4		- American
14	I interact with other students in the class via email on a regular basis.	4
	Questions 15-18 ask you for the frequency which you do the following:	
L	Please put your answers in the next column.	
15	I communicate with the instructor at least times per week.	а
	a) 0	Military 2
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
\vdash	a) o pido	
10	I participate in online discussions with follow students at least:	h
16	I participate in online discussions with fellow students at least:	b
	a) Once a week	
	b) Twice a week	AND THE RESERVE
	c) 3 plus times a week	
	d) never	

17	I check my email for class related activities at least:	a
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
	3/3/1/3/1	
18	I watch the video tapes at least:	b
	a) Never	
	b) Once	THE SECOND STATE OF THE SE
	c) Twice	2001
	d) 3 plus times	
	a) o plas timos	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	1234567
	indicates you agree, and 7 indicates you strongly agree with the statement.	
	Til 6 Circ di	
19	The flow of information is easier when the instructor uses Blackboard in addition	1
	to videotapes or the internet.	
20	I found it was easier to learn the material when Blackboard was used.	
	this is the state of the state	37
21	It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.	1
		The state of the s
22	I have difficulty getting into the Blackboard site to access the class.	4
		100000-000
23	I feel that I have learned more when taking classes that used Blackboard than	1
	those that did not.	2000
	General Background Information Please fill in your answer in the next	
	column.	
		La Contaction with the
24	What is your gender? Male or Female	male
25	Are you married? Yes or No	yes
		SERVING OF A
26	Do you have children living at home? Yes or No	yes
27	What is your age?	đ
	a) 20 to 25	
	b) 26 to 29	0.1540.05
	c) 30 to 35	18 S. A.S. M. 18 S.
	d) 35 to 40	A STATE OF THE STA
	e) over 40	
28	What is your highest level of education?	b
	1	
	a) BS	The second second
	a) BS b) MS	

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	. 1
	e) Full Time student	7 (A. 1807) A (A. 1807)
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	第一样 744
	f) 45 plus	
		7 5 FARE 1

	IQPR-029	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1234567
	The interaction I have with the instructor in my distance education classes is	1 - 0 1 0 0 1
1	comparable to the interaction I have had with instructors in traditional classes.	3
	comparable to the interaction i have had with instructors in traditional classes.	3
	The second state of the second size of the second state of the sec	Man Charles (MA)
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	
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3	The quality of the videotapes I receive is good.	6
4	The lectures tend to be monotonous.	3
		A SERVICE SERVICE
5	I tend to feel isolated while participating in online discussions.	5
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-	I keep up with the latest trends in technology (e.g. faster modern upgrading to	
	keep up with the latest trends in technology (e.g. faster modem, upgrading to	6
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	2
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	5
9	I generally get adequate feed back from the instructor.	6
Ĕ	T generally get adequate reed back normale mediaters	nar a series
-	I would not have enrolled at WPI if I could not complete my degree via distance	THE STATE OF THE S
10	, , , ,	6
	learning.	
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	6
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40		
13	I am often unclear on what I am expected to do for the homework assignments.	2
	Tam energanesed on what fam expected to do for the nemerical general	The state of the
14	I interact with other students in the class via email on a regular basis.	5
14	Tilleract with other students in the class via email on a regular basis.	3
		a des
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	The State of the second
15	I communicate with the instructor at least times per week.	b
	a) 0	3 1 A
	b) 1 to 2	The second second
	c) 3 to 4	
	d) 5 plus	E-Cop. 180
	a) 5 plus	
40	Landing to be colleged to continue the following trade of the state	Property make any make the registers
16	I participate in online discussions with fellow students at least:	a
	a) Once a week	STATE OF BUILDING
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
		12 M. Asea of Market his & make make

17	I check my email for class related activities at least:	а
	a) Once a day	α .
\vdash	b) Twice a day	
\vdash	c) 3 plus times a day	
	d) other:	
\vdash	d) other.	- 091204T-1-125
10	Luctab the video tenes of least	
18	I watch the video tapes at least:	b
	a) Never	100
	b) Once	
	c) Twice	
	d) 3 plus times	
-		
	If you have taken a distance education class using Blackboard, please	1 2 3 4 5 6 7
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
		A STATE OF THE PARTY OF
45	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	4
	, , , , , , , , , , , , , , , , , , ,	
20	I found it was easier to learn the material when Blackboard was used.	3
	Tround it was easier to reall the material when blackboard was ased.	
	It is easier to participate in online discussions using Blackboard instead of email	
21	or Lotus Notes.	3
	of Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	4
22	I have difficulty getting into the blackboard site to access the class.	4
	I feel that I have learned more when taking classes that used Disakheard then	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not.	3
	those that did not.	Decide the second secon
<u> </u>	Consol Background Information Discontilling and the south	
	General Background Information Please fill in your answer in the next	
	column.	
24	What is your gender? Male or Female	male
25	Are you married? Yes or No	
26	Do you have children living at home? Yes or No	
27	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
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28	What is your highest level of education?	b
	a) BS	
	b) MS	
	c) PH.D.	
-	OTTIO.	200
1		A CONTRACTOR OF THE PARTY OF TH

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
		200
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	
	b) 11 to 20	and the second
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

_	1QFR-030	
	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
-	indicates you slightly agree, o malea	1 2 3 4 5 6 7
\vdash	The interaction I have with the instructor in my distance education classes is	1234567
1	The interaction I have with the instructor in my distance education classes is	
	comparable to the interaction I have had with instructors in traditional classes.	6
<u> </u>		A CONTRACTOR OF THE
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	7
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	7
4	The lectures tend to be monotonous.	1
m		
5	I tend to feel isolated while participating in online discussions.	1
<u> </u>	There to reer isolated write participating in orinine discussions.	45-46-48-46-5-23
	I keep up with the letest trends in technology (e.g. faster madem, upgrading to	200 C C C C C C C C C C C C C C C C C C
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	5
6	faster processor speeds, etc).	
7	I would prefer to receive video streams on the Internet versus videotapes.	4
		李林林就是"大
	I tend to fast forward the lecturing and play the video when important topics are	4
8	displayed.	1
9	I generally get adequate feed back from the instructor.	7
H	<u> </u>	
 	I would not have enrolled at WPI if I could not complete my degree via distance	45
10	learning.	4
	learning.	
11	The instructional receive via small or the web name are generally clear	-
	The instructions I receive via email or the web page are generally clear.	5
40	The state of the s	
12	The tech support I receive from WPI is adequate.	/
		574 DOG 2 200
13		1
	I am often unclear on what I am expected to do for the homework assignments.	'
14	I interact with other students in the class via email on a regular basis.	5
	Questions 15-18 ask you for the frequency which you do the following:	A-30-12-13-63
	Please put your answers in the next column.	
		2011
15	I communicate with the instructor at least times per week.	d
	a) 0	
	b) 1 to 2	
	c) 3 to 4	The state of the state of
	d) 5 plus	
4.5		Fin-Low Caracteria.
16	I participate in online discussions with fellow students at least:	a
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
		the second response to the second second

	I check my email for class related activities at least:	а
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
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18	I watch the video tapes at least:	b
	a) Never	ACCOMPANIES NAMES
	b) Once	
	c) Twice	
	d) 3 plus times	
		A A WEST CO. A.
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24. 1 indicates you strongly disagree, 2 indicates you disagree, 3	1234567
	Timuloutes you strongly disagree, 2 maisutes you disagree, o	to a contract of the
19	The flow of information is easier when the instructor uses Blackboard in addition to videotapes or the internet.	
	to videotapes of the internet.	
20	I found it was easier to learn the material when Blackboard was used.	See that the are a meaning again, have
20	I loully it was easier to learn the material when blackboard was used.	
	It is easier to participate in online discussions using Blackboard instead of email	and the same of th
21	or Lotus Notes.	
	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	The state of the s
	It have difficulty defind into the Blackboard site to access the class	
22	That's announcy getting into the Blackboard site to access the slade.	±8276 N
	I feel that I have learned more when taking classes that used Blackboard than	
	I feel that I have learned more when taking classes that used Blackboard than those that did not.	
	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next	
	I feel that I have learned more when taking classes that used Blackboard than those that did not.	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column.	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next	Female
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column.	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No	Female
23	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No	Female yes_
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age?	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35	Female yes yes
23 24 25 26	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40	Female yes yes
23 24 25 26 27	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education?	Female yes yes
23 24 25 26 27	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40	Female yes yes
23 24 25 26 27	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education?	Female yes yes
23 24 25 26 27	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education? a) BS b) MS	Female yes yes
23 24 25 26 27	I feel that I have learned more when taking classes that used Blackboard than those that did not. General Background Information Please fill in your answer in the next column. What is your gender? Male or Female Are you married? Yes or No Do you have children living at home? Yes or No What is your age? a) 20 to 25 b) 26 to 29 c) 30 to 35 d) 35 to 40 e) over 40 What is your highest level of education? a) BS	Female yes yes

29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	е
	a) 1 to 10	
	a) 1 to 10 b) 11 to 20	Apple of the second
		The second secon
	b) 11 to 20 c) 21 to 30 d) 31 to 39	
	b) 11 to 20 c) 21 to 30	
	b) 11 to 20 c) 21 to 30 d) 31 to 39	

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	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
		1234567
	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	5
		4.40
	The quality of the material I receive from the school (I.e. syllabus, handouts,	**************************************
2	etc.) is comparable to that which I would receive if I attended regular classes.	7
		Francis And Asian company
3	The quality of the videotapes I receive is good.	5
	J. Company of the com	
4	The lectures tend to be monotonous.	6
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5	I tend to feel isolated while participating in online discussions.	1
Ť	Terra to rear isolated in the participating in animio disouscients.	design of the second
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	7
	14000 \$1000000 \$50040, 010).	
7	I would prefer to receive video streams on the Internet versus videotapes.	4
	T Would prefer to receive video streams on the internet versus videotapes.	The state of the s
	I tend to fast forward the lecturing and play the video when important topics are	A N Carle
8	displayed.	7
	displayed.	2000
9	I generally get adequate feed back from the instructor.	7
9	I generally get adequate leed back from the instructor.	
	I would not have enrolled at WPI if I could not complete my degree via distance	444 (41 mm)
10		3
	learning.	en de la companya de
11	The instructions I receive via email or the web page are generally clear.	7
11	The instructions receive via email of the web page are generally clear.	/
12	The tech support I receive from WPI is adequate.	4
12	The tech support receive non-type is adequate.	4
13	Law often unclear an what Law expected to do for the homework assistance.	2
	I am often unclear on what I am expected to do for the homework assignments.	
1.4	Lintarget with other students in the class via small on a regular basis	2
14	I interact with other students in the class via email on a regular basis.	2
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	
45		
15	I communicate with the instructor at least times per week.	a
	a) 0	
	b) 1 to 2	The state of the s
	c) 3 to 4	S. CARD, E. S. C.
	d) 5 plus	
4.5		
16	I participate in online discussions with fellow students at least:	b
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
		A STATE OF THE STA

17	I check my email for class related activities at least:	С
	a) Once a day	
-	b) Twice a day	
	c) 3 plus times a day	
	d) other:	makes a self for the self-
18	I watch the video tapes at least:	b
	a) Never	COLUMN TO SECURITOR SECURI
-	b) Once	
-	c) Twice	
	d) 3 plus times	
_	ay o place allines	
	If you have taken a distance education class using Blackboard, please	1 2 3 4 5 6 7
	answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	I maioatoo you offerigity alougioo, 2 maioatoo you alougioo, 0	
\vdash	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	7
	to videotapes of the internet.	The state of the s
20	I found it was easier to learn the material when Blackboard was used.	4
20	Trouble it was easier to learn the material when blackboard was used.	4
	It is easier to participate in online discussions using Blackboard instead of email	Section 2 - Section 2015 Sectio
21	or Lotus Notes.	7
	or Edita Woles.	
22	I have difficulty getting into the Blackboard site to access the class.	1
	That's difficulty getting into the Diackboard site to decess the class.	
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	4
\vdash	and that are not	
	General Background Information Please fill in your answer in the next	THE RESERVE OF THE PARTY OF THE
	column.	
24	What is your gender? Male or Female	Male
-	That is your gondon male of Formale	
25	Are you married? Yes or No	Yes
	, we jet manier.	THE PARTY OF THE P
26	Do you have children living at home? Yes or No	No
	be you have completely many at heme. For each to	DED CONTROL DE
27	What is your age?	C
<u> </u>	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
<u> </u>	d) 35 to 40	
	e) over 40	
	<u> </u>	
28	What is your highest level of education?	a
-	a) BS	***
\vdash	b) MS	
	c) PH.D.	
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		take kills for although although a kell-k-

29	Employment status:	а
	a) Full time	354 - 1975 - 118
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	新 · A · A
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

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	Questions 1-14 pertain to your perceptions about distance education	please enter your
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	response in the
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	cell next to the
	indicates you slightly agree, 6 indica	question
	maioto y ou originaly agroot, o maiota	1 2 3 4 5 6 7
	The interaction I have with the instructor in my distance education classes is	1234307
1		_
	comparable to the interaction I have had with instructors in traditional classes.	5
		200 x 30 y 10 x 10 000 x 10 000 x 10 0
2	The quality of the material I receive from the school (I.e. syllabus, handouts,	6
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	3
		a pull-fina a serie
4	The lectures tend to be monotonous.	3
		7 7050
5	I tend to feel isolated while participating in online discussions.	6
		24.00
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	The second property of the contract of
6	faster processor speeds, etc).	1
۳	Tactor processor special, cto).	G. ALCEDING D. ALCED
7	I would prefer to receive video streams on the Internet versus videotapes.	2
	would prefer to receive video streams on the internet versus videotapes.	2
	I toud to fact for your the last wine and play the vide outless in a set to it.	Action and the second
	I tend to fast forward the lecturing and play the video when important topics are	6
8	displayed.	
		4.70
9	I generally get adequate feed back from the instructor.	6
10	I would not have enrolled at WPI if I could not complete my degree via distance	7
10	learning.	Programme and the second
		0.74
11	The instructions I receive via email or the web page are generally clear.	6
12	The tech support I receive from WPI is adequate.	5
		Production of the Control of the Con
13	I am often unclear on what I am expected to do for the homework assignments.	3
	9	
14	I interact with other students in the class via email on a regular basis.	5
	The rest that strict statistic in the states via citial on a regular basis.	* * * * * * * * * * * * * * * * * * *
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	ar Tillians es
	riedse put your answers in the next column.	
4.5	Leaven what with the instructor of loost	For the state of t
15	I communicate with the instructor at least times per week.	D
<u></u>	a) 0	
	b) 1 to 2	S-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
	a) Once a week	
	b) Twice a week	
	c) 3 plus times a week	
	d) never	
		Carry State of the

17	I check my email for class related activities at least:	С
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	14. A
	d) other:	100000000000000000000000000000000000000
		3600
18	I watch the video tapes at least:	b
	a) Never	M. A
	b) Once	
	c) Twice	EXECUTE NO.
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24.	1234567
	1 indicates you strongly disagree, 2 indicates you disagree, 3	
	Timestate you energy alonging, a majoritor you along too, o	
19	The flow of information is easier when the instructor uses Blackboard in addition	- Additional Control of the Control
	to videotapes or the internet.	
		Company of a subsection of the company
20	I found it was easier to learn the material when Blackboard was used.	
		COMPANY TELESCOPE
21	It is easier to participate in online discussions using Blackboard instead of email	
	or Lotus Notes.	2
22	I have difficulty getting into the Blackboard site to access the class.	
		Research Control
23	I feel that I have learned more when taking classes that used Blackboard than	
	those that did not.	ANY CONTRACTOR OF THE PARTY OF
	General Background Information Please fill in your answer in the next	
	column.	300 4 70 10
		A Territoria de la Companya del Companya del Companya de la Compan
24	What is your gender? Male or Female	F
25	Are you married? Yes or No	N
26	Do you have children living at home? Yes or No	N
27	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	No. of the second
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	b
	a) BS	val a var
	b) MS	
	c) PH.D.	F 50 24 15 17
	0/111.8.	
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29	Employment status:	а
	a) Full time	
	b) Part Time	
	c) Unemployed	
	d) Homemaker	
	e) Full Time student	
30	If you are employed, approximately how many hours a week do you work?	f
	a) 1 to 10	a efficient of the said
	b) 11 to 20	
	c) 21 to 30	
	d) 31 to 39	
	e)40 to 45	
	f) 45 plus	

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	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
1	The interaction I have with the instructor in my distance education classes is	
'	comparable to the interaction I have had with instructors in traditional classes.	2
-	The quality of the material I receive from the school (I.e. syllabus, handouts,	2 (1.17 to 14.17 to 15.17 to 1
2		7
	etc.) is comparable to that which I would receive if I attended regular classes.	
3	The quality of the videotapes I receive is good.	7
		100
4	The lectures tend to be monotonous.	2
-	The lectures tend to be monotoneds.	
		* CHOOSE STATE
5	I tend to feel isolated while participating in online discussions.	2
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	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	
6	faster processor speeds, etc).	4
	laster processor specias, etc).	
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7	I would prefer to receive video streams on the Internet versus videotapes.	2
	I tend to fast forward the lecturing and play the video when important topics are	
8	displayed.	3
\vdash	displayed.	
<u> </u>		0
9	I generally get adequate feed back from the instructor.	6
40	I would not have enrolled at WPI if I could not complete my degree via distance	1
10	learning.	1
11	The instructions I receive via email or the web page are generally clear.	6
	The instructions receive via email of the web page are generally clear.	U
		THE STATE OF THE REPORT OF THE
12	The tech support I receive from WPI is adequate.	4
		- 1465 TAB
13	I am often unclear on what I am expected to do for the homework assignments.	2
-	Tam often unclear on what rain expected to do for the nomework assignments.	
<u></u>		
14	I interact with other students in the class via email on a regular basis.	6
	Questions 15-18 ask you for the frequency which you do the following:	
	Please put your answers in the next column.	M. Paletal
	1 10000 par jour anomorous as an anomorous	
1-		
15	I communicate with the instructor at least times per week.	В
	a) 0	2 3940
	b) 1 to 2	erentaria i esti describir de
	c) 3 to 4	
	d) 5 plus	
	-/ - F	
40	Leasting to in online discussions with fellow at idente at least	В
16	I participate in online discussions with fellow students at least:	В
	a) Once a week	Suffering a So, years as the
_	b) Twice a week	
	c) 3 plus times a week	
	d) never	
	w) 110+01	The second secon

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		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
17	I check my email for class related activities at least:	Α
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	В
	a) Never	
	b) Once	
	c) Twice	
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please	
	answer questions 19-23, otherwise skip to question 24.	4004507
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates	1234567
	you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6	
	indicates you agree, and 7 indicates you strongly agree with the statement.	
		The state of the s
_	The flow of information is easier when the instructor uses Blackboard in addition	
19	to videotapes or the internet.	7
	to videotapes of the internet.	
20	I found it was easier to learn the material when Blackboard was used.	5
20	Tround it was easier to learn the material when blackboard was assa.	
	It is easier to participate in online discussions using Blackboard instead of email	<u> </u>
21	or Lotus Notes.	6
	or Lotus Notes.	
22	I have difficulty getting into the Blackboard site to access the class.	2
	I flave difficulty getting into the blackboard site to access the class.	
	I feel that I have learned more when taking classes that used Blackboard than	
23	those that did not.	5
	triose triat did flot.	
	General Background Information Please fill in your answer in the next	
	column.	
0.4	NA/Lt-i	MALE
24	What is your gender? Male or Female	MALE
0.5	A	VEC
25	Are you married? Yes or No	YES
-		7/50
26	Do you have children living at home? Yes or No	YES
27	What is your age?	С
	a) 20 to 25	
	b) 26 to 29	
	c) 30 to 35	
	d) 35 to 40	
	e) over 40	
		entraction of the second
28	What is your highest level of education?	A
	a) BS	
	b) MS	and the second of
	c) PH.D.	
		THE PARTY OF THE P

29 Employment status:	A
a) Full time	
b) Part Time	42.56
c) Unemployed	4. 4. 20 har 1. 字音。
d) Homemaker	
e) Full Time student	
30 If you are employed, approximately how many hours a week do you work?	E
a) 1 to 10	
b) 11 to 20	
c) 21 to 30	
d) 31 to 39	
e)40 to 45	
f) 45 plus	

ADLN provides a wonderful benefit for students who work full time, and have busy home lives. I have taken a few summer courses through ADLN, and it allowed me to study and review classes at my convenience. It is ideal when you have a young child as I do. I'm surprised you haven't asked where I reside, but I would think you could get the demographic information from the department. I mention this because I live in Auburn, yet I still like taking the ADLN. (not quite avanced distance is my point...) Blackboard use, by far adds to the functionality and overall benefit of the class. It allows for almost real-time class discussions. The only other factor I can stress is that some classes lend themselves to be taught via ADLN better than others. My MG 548 Productivity Managment ,MG511 Leadership Skills, and MG506 Marketing classes were very good, my MG527 Risk Management and MG540 Operations Management classes were not. This may be a function of the professor, or his technques, as well. In summary, I think it is a considerable asset to the program. Don't let question 10

	QPK-034 Questions 1.14 portain to your perceptions about distance education	
	Questions 1-14 pertain to your perceptions about distance education	
	classes that you have taken at WPI. 1 indicates you strongly disagree, 2	please enter your
	indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5	response in the
	indicates you slightly agree, 6 indicates you agree, and 7 indicates you	cell next to the
	strongly agree with the statement.	question
		1234567
4	The interaction I have with the instructor in my distance education classes is	
1	comparable to the interaction I have had with instructors in traditional classes.	3
	The quality of the material I receive from the school (I.e. syllabus, handouts,	
2	etc.) is comparable to that which I would receive if I attended regular classes.	6
_		
3	The quality of the videotapes I receive is good.	5
Ť	The quality of the fractione is good.	<u> </u>
4	The lectures tend to be monotonous.	6
	The lectures tend to be monotonous.	U
-	I found to feel included while portionating in online discussions	3
5	I tend to feel isolated while participating in online discussions.	<u> </u>
	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	7
6	faster processor speeds, etc).	***************************************
7	I would prefer to receive video streams on the Internet versus videotapes.	5
	I tend to fast forward the lecturing and play the video when important topics are	6
8	displayed.	
9	I generally get adequate feed back from the instructor.	3
_	I would not have enrolled at WPI if I could not complete my degree via distance	
10	learning.	1
\Box		
11	The instructions I receive via email or the web page are generally clear.	6
	The medical records via email of the page are generally	
12	The tech support I receive from WPI is adequate.	5
12	The teen eapport receive near the adequate.	
\vdash		
13	I am often unclear on what I am expected to do for the homework assignments.	2
\vdash	Taill often different on what I am expected to do for the nomework assignments.	
11	I interact with other students in the class via email on a regular basis.	6
14	Tilleract with other students in the class via email on a regular basis.	0
\vdash	Quarties of 48 and you for the frequency which you do the following:	
1 1	Questions 15-18 ask you for the frequency which you do the following:	
\vdash	Please put your answers in the next column.	
15	I communicate with the instructor at least times per week.	C
\square	a) 0	
	b) 1 to 2	
	c) 3 to 4	
	d) 5 plus	
16	I participate in online discussions with fellow students at least:	С
٣	a) Once a week	
	b) Twice a week	I
\vdash	c) 3 plus times a week	
	d) never	
\vdash	u) 116v01	<u> </u>
1 1		

47	Labority my amail for along valeted estivities at length	
17	I check my email for class related activities at least:	С
	a) Once a day	
	b) Twice a day	
	c) 3 plus times a day	
	d) other:	
18	I watch the video tapes at least:	b
	a) Never	-
	b) Once	
_	c) Twice	
		+
	d) 3 plus times	
	If you have taken a distance education class using Blackboard, please answer questions 19-23, otherwise skip to question 24.	
	1 indicates you strongly disagree, 2 indicates you disagree, 3 indicates you slightly disagree, 4 is neutral, 5 indicates you slightly agree, 6 indicates you agree, and 7 indicates you strongly agree with the statement.	1234567
19	The flow of information is easier when the instructor uses Blackboard in	5
	addition to videotapes or the internet.	
_		
20	I found it was easier to learn the material when Blackboard was used.	5
21	It is easier to participate in online discussions using Blackboard instead of email or Lotus Notes.	6
22	I have difficulty getting into the Blackboard site to access the class.	5
	Thurs amounty general	
23	I feel that I have learned more when taking classes that used Blackboard than those that did not.	3
	General Background Information Please fill in your answer in the next column.	
24	What is your gender? Male or Female	m
25	Are you married? Yes or No	n
26	Do you have children living at home? Yes or No	n
20	Do you have ominated living at home: 100 of 140	n
07	Mhot is your and?	
27	What is your age?	a
	a) 20 to 25	
	b) 26 to 29	
_	c) 30 to 35	-
	d) 35 to 40	
	e) over 40	
28	What is your highest level of education?	MS
	a) BS	
	b) MS	
_	c) PH.D.	
	<i>Θ</i> ₁ (1). <i>Θ</i> .	
		
		-
		<u> </u>

29 Employment status:	а
a) Full time	
b) Part Time	
c) Unemployed	
d) Homemaker	
e) Full Time student	
30 If you are employed, approximately how many hours a week do you work?	f
a) 1 to 10	
b) 11 to 20	
c) 21 to 30	
d) 31 to 39	
e)40 to 45	
f) 45 plus	
Please use the following space for any additional comments that you would like to make about the distance education program in the Department of Management at WPI.	

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	QPR-035 Questions 1-14 pertain to your perceptions about distance education	
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	I keep up with the latest trends in technology (e.g. faster modem, upgrading to	3
6	faster processor speeds, etc).	-
7	I would prefer to receive video streams on the Internet versus videotapes.	5
	I tend to fast forward the lecturing and play the video when important topics are	3
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-	u) o pius	
\vdash		
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16	I participate in online discussions with fellow students at least:	b
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17	I check my email for class related activities at least:	a
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	c) 3 plus times a day	
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24	What is your gender? Male or Female	F
25	Are you married? Yes or No	n
26	Do you have children living at home? Yes or No	n
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	a) 20 to 25	
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28	What is your highest level of education?	b
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		ļ

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