CIS 280
Internet Programming
Fall 2003

Section 73229
MW 1400 - 1515 hrs.
Room 1320
Room 2270 (CIS Lab)

Dr. Alan Rea
Office: 3380 Schneider Hall
rea@unix.cc.wmich.edu
ICQ: #48731283
Nickname: DocRea
Phone: 387-4247

Mailbox: 3310 Schneider Hall

Office Hours

WMU Office Hours
MW 1100 -1300 hrs.
R 1500-1700 hrs.

Virtual Office Hours
Asynchronous: By Email and Discussion List
Synchronous: As needed via ICQ

Course Site: http://homepages.wmich.edu/~rea/280

The Haworth College of Business is dedicated to delivering the best undergraduate business program in Michigan and surrounding states (Wisconsin, Illinois, Indiana, and Ohio) by the year 2006.
BBA Program Objectives

CIS 280 is directly related to your ability to meet five goals for undergraduate students receiving a degree from the Haworth College of Business:

1. To understand essential business knowledge.
2. To make effective business decisions.
3. To communicate effectively.
4. To understand and use computer-based information systems and infrastructures.
5. To practice acceptable standards of ethical and professional behavior.

Course Theme

Development of business applications using Internet programming technologies.

Prerequisites

CIS 102/110 (or equivalent), BIS 142 (or equivalent), and instructor's permission for other BBA degree candidates.

Course Description

CIS 280 is a programming course that develops the basic knowledge and skills needed to implement solutions with Internet programming tools. Students will create Internet solutions using current programming technologies.

Course Approach

Internet programming languages used in this class will prepare students for expected Internet architectures and standards in the business environment. About one-half of the class time will be spent in lecture and discussion. All remaining time will be spent in the Computer Classroom devoted to the "hands-on" application of current Internet programming labs and exercises.
Course Objectives

After taking this course, students will be able to:

- Understand the basics of object-oriented programming.
- Understand how to effectively develop Internet applications.
- Understand how to implement Internet applications.
- Understand the role of Internet applications in E-Business.

Required Materials

- **UNIX Class Account**: Basically the new Bronco NetID, was the Unified ID.
- **homepages.wmich.edu Account**: Linked to the Bronco NetID. You must obtain and activate.
- **Media storage**
  - USB Flash Drive (also know as a USB FOB)
  - your **UNIX** account (will need to SFTP into a directory)
- Access to a computer with Internet access, a SSH client, and a SFTP client
- Access to IE 6.x, Mozilla 1.x, Opera 7.x, Netscape 7.x, and various other Web Browsers
- World Wide Web Materials (much will be online in this course)
- Access to [http://webct.wmich.edu](http://webct.wmich.edu) for various items, such as points, forays, and exams.
- ICQ (If you want to use synchronous Virtual Office hours.) ([http://www.icq.com](http://www.icq.com))
- Supplemental Materials, such as library reserve and Web sites (provided by Instructor).

Course Endeavors

A Little about the Course

Internet programming languages are the building blocks of today's Web-based applications and interactive Websites. Without Internet programming languages, developers are limited to deploying static Web pages constructed with XHTML and images.

We won't cover any one Internet programming language in depth in this course. Instead we will focus on a wide variety of languages to expose you to the many available tools. It's up to you to decide which will work best in a given environment.
Labs (600 points)

We will complete numerous programming labs throughout the semester. Labs and due dates will be posted on the Course Website and WebCT.

Mid-term (150 points)

An evaluation of what you have learned up to this point in the semester.

Knowledge Forays, Exercises, and QOTD (100 points)

Throughout the semester, brief unplanned knowledge forays and exercises will be planned to measure your skill and knowledge base. You must be present to partake of them. These cannot be made up in any case (even a pre-excused absence), but more than the allotted number will be given so you can make the 100 points. If you are present and do well on all of them, any amount over the 100 points will be considered extra credit.

Throughout the semester, the instructor will use one to two questions asked by students in each class meeting. The question needs to be thought-provoking, current, and relevant to the class. You can earn up to 10 points for your Question of the Day. More information is on the Course Website and WebCT.

Final Exam (150 points)

An evaluation of what you learned during the semester. You are required to take the final exam to earn credit in the course.

Extra Credit

Please see Knowledge Forays, Exercises, and QOTD section.

General Information

Assignments

Unless otherwise noted, all work needs to be your own. This is not to say you cannot ask questions, discuss concepts, etc. with one another and over the discussion list (in fact it’s encouraged), but the final product must be your own work.
Due Dates

Labs

Due dates are firm. All labs are due on the due date and time. This allows for fair grading and equal treatment for all students in the course.

Because life itself is an uncertain proposition, you might have some difficulty during the semester. Therefore, you will be allowed ONE (1) late lab. This lab can be turned in 7 days after the due date. (Some restrictions apply.) You do not need to use the "late," but no additional points are awarded for "no lates."

This offer will be available to you only ONE (1) time during the semester and I encourage you to save it for an emergency situation. System failure, no backup disk, computer virus, being too busy, and other such excuses are not acceptable. As in the real world, you are responsible to make sure you are prepared. Please inform me via e-mail that you have taken your ONE within 24 hours after the due date and time.

Knowledge Forays and Exercises

Knowledge forays and exercises cannot be made up in any situation (even pre-excused absences), but more than the allotted number of points will be offered during the semester. (See above under “Course Endeavors”) QOTD are due before midnight Thursday of the prior week.

Exams

You are required to take the exams on the assigned days and times. Please check the course site for this information.

Missed exams may only be handled with a documented excuse. A documented excuse consists of a letterhead from a medical doctor. This letter must include the statement “I have advised the student to stay home on the following dates: [DATES], for medical reasons. Other documentation will not be considered. Documentation not on letterhead will not be considered. Documentation that does not contain the statement above will not be considered.

If you must miss an exam due to university-sponsored event, documentation to this effect must be presented IN ADVANCE of the exam date. Anyone who has not received a WRITTEN notice from me concerning missing an exam in advance will not be allowed to receive credit for that exam.
Scheduled Work

This class requires you to work on numerous labs and exercises throughout the semester. To be successful, it is important for you to keep up with the schedule and check it frequently. While the instructor reserves the right to make changes as the semester progresses, we will always discuss and agree to major changes in the schedule.

Amount of Work

This class will place great demands on your time OUTSIDE OF CLASS. You will need to be able to access a computer system and have time in your schedule for labs. This is all in addition to completing the readings and making sure that you understand and can apply concepts and theories. For example, depending on the lab and your skill level, some labs might take up to 20-25 hours to complete.

Turning in Work

Electronic nature of our work: Almost all of our class work is digital in nature. Resisting the temptation to "change one last item" after a deadline has passed will be paramount to your success. If you change an item (no matter how small) after the due date and time AND before you receive your evaluation, it’s considered late.

Do Your Own Work. Do not work on an entire assignment step-by-step with other students (unless directed by the instructor). Identical errors or copying in any work will result in a grade of zero for all involved parties.

Do Not Copy Code. Anyone found copying code will receive an automatic zero for the work no matter how small the copying instance. Continued copying will result in harsher penalties. (See Academic Integrity below.)

Finally, all students are treated equally and fairly. There will be no make-up work or extra projects for any individual student.

Attendance

Sessions are premised on your presence. Sessions include information far beyond that found in the texts. Therefore, I expect you to be here. A pattern of absences, tardiness and/or leaving early will have an impact on your grade.

Remember, if you miss a class you are still responsible for any material and class work that you miss. I encourage each of you to form class contacts to learn of items missed.

Ultimately, the class needs you here, and you need to be here. There is no way to duplicate class instruction and discussion. Missing classes can result in serious problems
that show up in your assignments. Finally, although there are no guarantees, we will have fun every once in awhile (believe it or not).

**Participation**

To participate, you must be present and pay attention to the class task or discussion. Class comments are assessed on quality, not quantity—to a point. Teamwork can be part of your work during class exercises. Those who work well in teams are people who follow directions, contribute to the work of the team, stay with the assigned task, and complete it effectively in the time allotted.

**Communication Devices**

In today's wired world, most of us are connected to information and communication systems on a 24/7 basis. In class, we need to disconnect in order to focus on our work. Because of this, all phones and other communication devices should be either muted (e.g., set phone on vibrate) or turned off. Under no circumstances should you answer a device in the classroom or computer lab while class is in session.

**Respect and Intellectual Freedom**

Many opportunities for debate and discussion abound in this course. You also will have many opportunities to work with classmates who espouse different views and opinions. While we can always discuss ideas and issues openly, we must also respect one another as human beings.

**Responsibility**

You are, of course, responsible for your individual work in this class. However, when you are working on a team exercise, you are also responsible to others as well and need to do your share.

**Academic Integrity**

You are responsible for making yourself aware of and understanding the policies and procedures in the Undergraduate (pp. 268-269) [Graduate (pp. 26-27)] Catalog that pertain to Academic Integrity. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Judicial Affairs. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.
Also please note the University's policy on computer misuse: "Computer misuse is disruptive or illegal use of computer resources." Any evidence of academic dishonesty may be pursued by the instructor. This code can be found at http://www.wmich.edu/oit/planning/policies.html

---

**Communication**

**Course Website and Class E-mail Account**

You are responsible for reading the postings and announcements on the Course Website, the discussion list, and on your class e-mail account. You should also check the Course Website and WebCT for resources, schedule updates, special instructions on assignments, etc. Keeping up to date with that material is almost as important as attending class.

**Course Discussion List**

The preferred means of electronic communication for this course. Use the discussion list to ask questions concerning the course work, pose ideas about technology, share useful Websites, etc. **I will also post all announcements via the list.**

To join the list, go to

http://docrea.net/mailman/listinfo/

and join the appropriate list. **You will only be able to post to the discussion list from your subscribed account(s).**

**E-Mail**

If you leave e-mail, in most cases you will have a response within 24 hours after I receive the e-mail.

**Use your UNIX or other WMU e-mail for course correspondence other than the discussion list. If unable to use your UNIX or WMU account for some reason, please sign e-mail with your name and UNIX ID.**

Use the subject line to help me identify an e-mail is coming from this course. Putting CIS 280 at the beginning will help me sort my numerous daily e-mails and address yours. For example, you might use the following Subject line:

**Subject: CIS 280 – What’s a Widget?**
ICQ

I am on ICQ at various points throughout the day. Please feel free to contact me if I am available for chat. If I have marked that I’m not available, want privacy, or away, please respect that status.

Voice Mail

If you leave a voice mail message, begin by stating the day and time you are placing the call, and enunciate clearly. Provide enough information so that it is easy to understand the purpose of your call. If you wish your call returned, leave your number and the times you can be reached. Voice mail “turn-around” time is not guaranteed.

Problems

If you find yourself having trouble in this class, you are responsible for talking about the nature of your difficulty while there is still time left to do something about it.

Questions

If you have any questions about this syllabus or other class matters, please feel free to discuss these issues during office hours or at some mutually agreeable time, or e-mail or call.

Additional Information

You are responsible for keeping track of your assignments and progress in this course. Save all your graded assignments (including e-mail) so that you will have a complete record of your scores. Most assignment evaluations will be sent to your UNIX account.

Your grades will be periodically posted. You are responsible for checking your grades and reporting (and proving) any errors in your record within one week of the posting. You'll be notified via the course list when points are posted.

You are responsible for knowing what happened in class, including changes in assignments or due dates, regardless of whether you attend. You are responsible for reading the textbook and for asking questions about material that you don't understand.
Grading

You will be evaluated based on various assignments and projects created throughout the semester to demonstrate not only your understanding of various design theories but also your proficiency in selected Internet technologies and applications. There will also be a final exam that tests your comprehension of information design theory and Internet technologies.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Labs</td>
<td>600 Points</td>
</tr>
<tr>
<td>Forays</td>
<td>100 Points</td>
</tr>
<tr>
<td>Mid-term</td>
<td>150 Points</td>
</tr>
<tr>
<td>Final Exam</td>
<td>150 Points</td>
</tr>
</tbody>
</table>

Final Grade

Final grades will be based on accumulated points:

<table>
<thead>
<tr>
<th>Final Point Scale</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 940-1000</td>
<td>C = 700-759</td>
</tr>
<tr>
<td>BA = 880-939</td>
<td>DC = 650-699</td>
</tr>
<tr>
<td>B = 820-879</td>
<td>D = 600-649</td>
</tr>
<tr>
<td>CB = 760-819</td>
<td>E = Below 600</td>
</tr>
</tbody>
</table>

Incomplete Policy

This is a temporary grade which the instructor may give to a student when illness, necessary absence, or other reasons beyond the control of the student prevent completion of course requirements by the end of the semester or session.

This grade may not be given as a substitute for a failing grade.

A grade of "I" must be removed by the instructor who gave it or, in exceptional circumstances, by the department chairperson. If the unfinished work is not completed and the "I" grade removed within one calendar year of the assignment of the "I," the grade shall be converted to an "E" (failure). Students who receive an incomplete grade in a course must not reregister for the course in order to remove the "I."
**Computer Lab Etiquette**

At the start of a new semester, it’s always a good idea to have a brief talk about computer lab etiquette. It’s even more important as we now have brand new systems. Below are a few rules that we’re all expected to follow—especially in the CIS Computer Classroom Lab (2270).

**Entering after Class Begins**

If you are late to class, please enter the computer classroom from the back door. Under no circumstances should you walk in the front door once the class begins. It’s distracting to the instructor and your fellow students. I will remind you if you forget. Don’t make late entrances a habit in any case.

**Food and Beverages**

Under no circumstances should food be consumed in the computer classroom. Too often we find food wrappers on the floor and crumbs in the keyboards.

If you have a beverage you haven’t finished before class, make sure to place it on the floor. If it can be helped, don’t bring beverages to class.

**Laptops**

Laptops are more than welcome in the lab. Feel free to remain connected to the Internet with your wireless card. **Don’t remove an Ethernet connection from an existing lab computer to connect your laptop.**

During lectures and class work, refrain from checking e-mail, surfing the Web (unless it’s part of a class exercise), chatting, etc. Not only do you distract yourself but also others. **If you make any of the above activities a habit, you’ll be asked to not use your laptop during class time.**

**Tampering with Computer Systems**

Don’t in any circumstance do any of the following:

- Open a computer case
- Disconnect the Link system
- Place anything on the computers
- Remove keyboards or mice

**Cell Phones**

If you must have your cell phone on, place it on vibrate. Don’t talk on cell phone during class time. If at all possible, simply turn off your cell phone or place it on automatic voice mail pickup.

If your cell phone does ring, I reserve the right to answer your phone.

**Other Work**

We’ll have plenty to keep us busy during class.