

CSCI 491-01: Internet Programming

Syllabus

1. Basics

Instructor: Derek Leonard (leonardd@hendrix.edu)
Class Hours: MWF 1:10-2:00pm in MCREY 317
Office Hours: MWF 2:00-3:00pm in MCREY 320
Office Phone: 501-505-2933
Book: J.F. Kurose and K.W. Ross, "Computer Networking: A Top-Down Approach," Addison-Wesley, 4th edition, 2007
Website: <http://ozark.hendrix.edu/~leonard/491-01/>

2. Learning Goals

- Gain a conceptual understanding of the various protocols operating in the Internet.
- Get hands-on experience with the studied protocols by developing applications designed to operate on the Internet.
- Learn the intricacies of developing multi-threaded sockets-based code.
- Understand the techniques necessary for developing applications that operate at Internet-wide scale.

3. Class Description

This class is an overview of computer networks with a focus on understanding Internet protocols.

Prerequisite: Working knowledge of C/C++

Team work: All work is done individually, more below.

Exams and Quizzes: There will be three midterms covering all assigned topics and three quizzes based on the problems at the end of each chapter.

Final Grade: A: 90-100%, B: 80-90%, C: 70-79%, D: 60-69%, F: 0-59%. If warranted this scale will be adjusted at the end of the semester.

Distribution of points:

Assignment	Quantity	Format	Percent of final grade
Homework	3	Implementation and report	40%
Midterms	3	Closed-book	45%
Quizzes	3	Closed-book	15%

Homework: Due at the beginning of class; late homework is accepted with a penalty of 20% per day (no points after 5 days).

4. Attendance

There is no attendance policy for this class. As a result, the consequences for missing class are yours alone. Assignments will only be postponed in the case of excused absences or with permission from the instructor well beforehand.

5. Office Hours

The office hours listed above are meant to be time that I am guaranteed to be in my office for meeting with students about the class. However, please feel free to stop by any time my door is open. I will often answer emails late into the night, so that is another way to ask a question or voice a concern.

6. Classroom Environment

The classroom should be free of distractions in order to maximize the relatively short class period. It is disrespectful to me and other students if you are engaging in an activity other than participating in class. Here are some guidelines:

- Class will start and end on time. Please do not come in late or leave early.
- Cell-phones should not be used during class (this includes text messaging).
- Laptops should be restricted to classroom activities only.

7. Academic Integrity

This course requires completely **independent** work on each assignment. You may not copy or submit **any** part of other students' work, material found in books or publications, or text from the Internet unless explicitly allowed by the instructor.

If permission is granted, the copied parts must be clearly marked and properly cited (this includes code). If you are unsure, check with the instructor prior to submitting assignments.

Please review the section on **Academic Integrity** in the Hendrix Catalog. **Any act of academic dishonesty, whether cheating or plagiarism, will most likely result in an F for the course and may lead to the instructor pursuing suspension or expulsion from the college.**

8. Disabilities

It is the policy of Hendrix College to accommodate students with disabilities, pursuant to federal and state law. Any student who needs accommodation in relation to a recognized disability should inform professors at the beginning of the semester. In order to receive accommodations, students with disabilities are required to contact Julie Brown in Academic Support Services at 505-2954.

I hereby acknowledge that I have read and understand this syllabus.

Signature

Printed Name

Date