

## ABET Course Syllabi

1. *Course number and name*

**COSC 5326: UNIX Programming Environment**

2. *Credits and contact hours*

3 Credit Hours

3. *Instructor's or course coordinator's name*

Instructor: Leonard Brown

4. *Textbook, title, author, and year*

- *UNIX Shell Programming*, Kochan & Wood, 3<sup>rd</sup> Edition, 2003

a. *Other supplemental materials*

None

5. *Specific course information*

a. *A brief description of the content of the course (catalog description)*

This course will cover shell programming, filters, I/O programming, program development, and document preparation. Special attention will be given to UNIX systems programming.

b. *Prerequisites or co-requisites*

COSC 2336, COSC 2315

c. *Indicate whether a required, elective, or selected elective course in the program*

Elective course for MSCS program

6. *Specific goals of the course*

a. *Specific outcomes of instruction, The student will be able to:*

- Describe UNIX operating system components such as the process management, file system, and memory management, and Input/output system
- Recognize various shell commands
- Describe UNIX file system
- Demonstrate usage of shell variables
- Develop shell scripts with alternate decisions
- Develop shell scripts with using loop commands
- Develop shell scripts to with sub-shells
- Develop and test C programs in UNIX programming Environment

- b. *Explicitly indicate which of the student outcomes listed in Criterion 3 or any other outcomes are addressed by the course*

Course address ABET Student Outcome(s):

7. *Brief list of topics to be covered*

- Introduction to UNIX
- UNIX commands
- UNIX file system
- UNIX shells
- Pipes and filters
- Shell scripts or Perl scripts
- Program development
- System administration

## COSC 5326 Unix Programming Environment – Fall 2015

### General Information

<b>Instructor</b>	Leonard Brown
<b>Office Location</b>	RBN 3012
<b>Office Hours</b>	TR 3:30 p.m. – 5:00 p.m. (or by appointment)
<b>Phone</b>	(903) 565-5677
<b>Email</b>	lbrown@uttyler.edu
<b>Class Time/Location</b>	TR 5:30 p.m. – 6:50 p.m. / RBN 3040

**Exams:** There will be two midterm exams and one final exam given for this class. All exams will be held in the class lecture room. The midterm exams will be during the regular class time. The *tentative* dates of the exams are:

<b>Exam I</b>	October 13, 2015
<b>Exam II</b>	November 17, 2015
<b>Final Exam</b>	<b>(See University Schedule)</b>

You will be notified in advance of any change in the above dates.

**Grading:** There are several components to the course grade totaling 1000 points. The point distribution is as follows:

Exam I	150 points
Exam II	150 points
Homework Assignments/Quizzes	400 points
Final Examination	300 points

Course grades will be assigned based on the following scale.

900-1000	A
800-899	B
700-799	C
600-699	D
599 and below	F

**Late Policies:** All homework assignments are due on the date specified in the assignment (by 11:59pm). Assignments will not be accepted after that time. In order to accommodate problems that may arise during the semester, you may turn in at most one (1) assignment late. That assignment will be accepted up to 48 hours after the initial due date, unless specified otherwise. It will not be accepted after that time.

**Plagiarism:** Unless otherwise specified, all work submitted for a grade must be completed by yourself. You are not to submit another person's work and claim it as your own. Plagiarism will result in disciplinary actions. To spare yourself accusations of plagiarism-

1. Do not show another student a copy of your work before it has been graded. The penalties for permitting your work to be copied are the same as the penalties for copying someone else's work.
2. Do not leave printouts of your work where other students may pick them up.

**Additional Policies:** <http://www.uttyler.edu/academicaffairs/syllabuspolices.pdf>