

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*

- *Shell Programming in Unix, Linux, and OS X*, Christopher Negus, 4th Edition, Addison-Wesley, 2017, ISBN 0-13-449600-0

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 2020

General Information

Instructor	Leonard Brown
Office Location	Soules 315.03
Office Hours	MWF 11:00 a.m. – 12 noon. (or by appointment)
Phone	(903) 566-7403
Email	lbrown@uttyler.edu
Class Time/Location	MWF 12:20 p.m. – 1:15 p.m. / Soules 211

Exams: There will be three 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:

Exam I	September 28, 2020
Exam II	October 23, 2020
Exam III	November 20, 2020
Final Exam	(See University Schedule)

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

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

Exam I	100 points
Exam II	100 points
Exam III	100 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 at 11:59 p.m. on the date specified in the assignment. Assignments submitted after the due date (even if it is by one minute) are considered late. There is a 10% penalty for each day an assignment is late. Assignments will not be accepted after 5 days.

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.

Important Covid-19 Information for Classrooms and Laboratories: Students are required to wear face masks covering their nose and mouth, and follow social distancing guidelines, at all times in public settings (including classrooms and laboratories), as specified by [Procedures for Fall 2020 Return to Normal Operations](#). The UT Tyler community of Patriots views adoption of these practices consistent with its [Honor Code](#) and a sign of good citizenship and respectful care of fellow classmates, faculty, and staff.

Students who are feeling ill or experiencing symptoms such as sneezing, coughing, or a higher than normal temperature will be excused from class and should stay at home and may join the class remotely. Students who have difficulty adhering to the Covid-19 safety policies for health reasons are also encouraged to join the class remotely. Students needing additional accommodations may contact the Office of Student Accessibility and Resources at University Center 3150, or call (903) 566-7079 or email saroffice@uttyler.edu.

Recording of Class Sessions: Class sessions may be recorded by the instructor for use by students enrolled in this course. Recordings that contain personally identifiable information or other information subject to FERPA shall not be shared with individuals not enrolled in this course unless appropriate consent is obtained from all relevant students. Class recordings are reserved only for the use of students enrolled in the course and only for educational purposes. Course recordings should not be shared outside of the course in any form without express permission.

Additional Policies: <http://www.uttyler.edu/academicaffairs/files/syllabuspolicy.pdf>

Academic

Calendar: <https://www.uttyler.edu/schedule/files/academic-calendar-20-21.pdf>

Final Exam

Schedule: <https://www.uttyler.edu/schedule/files/final-exam-schedule.pdf?rand=1>