Office Hours: Well, I don't have them. I have heard some instructors say that they are available 24/7. I like to sleep at night. I am typically in my home office between 9:00AM and 5:00PM. I check my email often. I will do my best to reply as soon as I can.

COURSE DESCRIPTION

UTEP Course catalog description:

“Introduction to Business Programming (3-0) This course introduces the student to programming in the most widely used computer language: C/C++. Emphasis will be on good programming practices, following top-down, modular, structured program design development, testing, implementation and documentation of business problems.”

CIS3301 is a required course for all CIS majors and is open to all COBA students. The primary goal of this course is to develop student’s thinking about the logic necessary to design and produce the source code and convert it into executable code to accomplish a specific computing result. We will also look at the evolution of programming languages and how they have changed since the first computer (1946), and how they might look in the future.

This will be a “hands-on” class: you will be expected to duplicate the code that I show in the videos I will make available to you. For the in-class course I showed a quick video featuring the cellist Yo-yo Ma, and then asked if anyone can now go home and play the cello like he did. Obviously, no one could. I did this because the same principals apply to this class. I can show you how to program, but unless you practice on your own, you will not learn how to program.

COURSE OBJECTIVES OR EXPECTED LEARNING OUTCOMES

At the end of this course, students will be able to:

• Build the source code in C/C++ and turn it into executable code
• Understand the logic behind the source code
• Understand how to include needed libraries
• Use the knowledge gained in this class to create new knowledge

REQUIRED MATERIALS

• You will need access to a computer (PC or MAC). If you don’t have access, the CALC lab may be able to help.
• You will need regular access to a computer, a stable internet, Blackboard, and your UTEP email account (Do not use g-mail to contact me).
• There is no textbook required but, there are number of new and used primers available: https://www.amazon.com/C-Programming-Pocket-Primer-Computing/dp/168392388X

ADDITIONAL MATERIALS

• I will post all of the videos I create on Blackboard (Bb), as well as the PowerPoint or Word slides I used to make the videos. Your grades will also be available on Bb.
• There are Ultra Videos at Bb. See: https://help.blackboard.com/Learn/Student/Watch_Videos
• I also found a YouTube website that has more: www.youtube.com/playlist?list=PLontYaReEU1th3bHYy_JWWkyZCw0ZM3r0

COURSE SCHEDULE

I will endeavor to adhere to the course schedule below but does reserve the right to alter course content, class assignments and activities, and/or dates as deemed necessary.

Topics

Your First Program (Yes, we will start coding immediately)
Overview of Programming (what you are actually doing)
Basic Data Types
C/C++ Operators
Arrays and Strings
Flow Control
In-class Programming
File Input/Output
Structured data objects (Structs)
Searching
Sorting

EXAMS AND PROJECTS

• There will be 4 - 6 exams. All the exams will be multiple choice and will be administered on Bb and graded by Bb. The widow allowed to take the exam will be at most 5 hours, and you must complete the exam within 1 hour (that should be more than enough time).
• There will be a project which will be due at the end of the semester. I will give you further instructions before the project is due to start.

DISCUSSION BOARDS (DB)

• Participants are expected to complete all modules and the discussion boards, quizzes and activities within. Activities explored in this course:
For discussion board you are required to write at least 100 words or more in your post in response to the provided guiding questions. You should also reply (at least 50 words for each response) to the entries of at least one of your colleagues for each assigned discussion. Refer to the discussion board and course content for further details on each assignment.

The deadline for postings is 11:59 pm MST every Friday. Replies to colleagues are due by 11:59 pm MST every Sunday.

COURSE ASSIGNMENTS AND GRADING

- A = 90 - 100
- B = 80 - 89
- C = 70 - 79
- D = 60 – 69
- F = 59 or Less

UTEP ADMINISTRATIVE POLICIES

Drop Policy

To drop this class, please contact the Registrar’s Office to initiate the drop process. If you cannot complete this course for whatever reason, please contact me. If you do not, you are at risk of receiving an “F” for the course.

Accommodations Policy

The University is committed to providing reasonable accommodations and auxiliary services to students, staff, faculty, job applicants, applicants for admissions, and other beneficiaries of University programs, services and activities with documented disabilities in order to provide them with equal opportunities to participate in programs, services, and activities in compliance with sections 503 and 504 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA) of 1990 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008. Reasonable accommodations will be made unless it is determined that doing so would cause undue hardship on the University. Students requesting an accommodation based on a disability must register with the UTEP Center for Accommodations and Support Services (CASS). e-mail: dss@utep.edu

Scholastic Integrity

Academic dishonesty is prohibited and is considered a violation of the UTEP Handbook of Operating Procedures. It includes, but is not limited to, cheating, plagiarism, and collusion. Cheating may involve copying from or providing information to another student, possessing unauthorized materials during a test, or falsifying research data on laboratory reports. Plagiarism occurs when someone intentionally or knowingly represents the words or ideas of another as ones' own. Collusion involves collaborating with another person to commit any academically dishonest act. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. All suspected violations of academic integrity at The University of Texas at El
Paso must be reported to the Office of Student Conduct and Conflict Resolution (OSCCR) for possible disciplinary action. To learn more HOOP: Student Conduct and Discipline.

STUDENT RESOURCES

UTEP provides a variety of student services and support:

- UTEP Library: Access a wide range of resources including online, full-text access to thousands of journals and eBooks plus reference service and librarian assistance for enrolled students.
- Help Desk: Students experiencing technological challenges (email, Blackboard, software, etc.) can submit a ticket to the UTEP Helpdesk for assistance. Contact the Helpdesk via phone, email, chat, website, or in person if on campus.
- University Writing Center (UWC): Submit papers here for assistance with writing style and formatting, ask a tutor for help and explore other writing resources.
- Math Tutoring Center (MaRCS): Ask a tutor for help and explore other available math resources.
- History Tutoring Center (HTC): Receive assistance with writing history papers, get help from a tutor and explore other history resources.
- Military Student Success Center: UTEP welcomes military-affiliated students to its degree programs, and the Military Student Success Center and its dedicated staff (many of whom are veterans and students themselves) are here to help personnel in any branch of service to reach their educational goals.
- RefWorks: A bibliographic citation tool; check out the RefWorks tutorial and Fact Sheet and Quick-Start Guide.