Midland College Syllabus

COSC 2330

Advanced Structured Languages

Course Description
Further applications of programming techniques. Topics may include file access methods, data structures and modular programming, program testing and documentation, and other topics not normally covered in an introductory computer programming course.

Prerequisite: None

Course Participation
For Online and Hybrid classes, students MUST actively participate by completing an academic assignment by the official census date. Students who do not do so, will be dropped from the course.

Text, References and Supplies

Should you choose to purchase your textbooks somewhere other than the college bookstore you should always check with the instructor first to make sure that there has not been a change in books and that you are purchasing the complete package used for the course.

Student Learning Outcomes (SLO) and Core Competencies

Students who successfully complete this course will be able to:

- SLO1 Develop Object-Oriented executable programs that include elements such as inheritance and polymorphism.
- SLO2 Document and format code in a consistent manner.
- SLO3 Apply basic searching and sorting algorithms in software design.
- SLO4 Apply single- and multi-dimensional arrays in software.
- SLO5 Use a symbolic debugger to find and fix runtime and logical errors in software.
- SLO6 Demonstrate a basic understanding of programming methodologies, including object-oriented, structured, and procedural programming.
- SLO7 Demonstrate knowledge and understanding of programming vocabulary and terms.
**Student Contributions Responsibilities and Class Policies**

Students are encouraged to contact the instructor at any time. If you need to meet with the instructor, you will need to make an appoint to guarantee the instructor’s availability at a specific time.

Students will be expected to exhibit professional behavior in class. With regard to cell phone use, keep it on silent and do not take calls unless it is an emergency.

Students are expected to attend class, for online that means logging in to Canvas regularly and completing assignment.

This will be an in-depth, fast-paced course. It is important that you complete the assignments before the due dates. Late work will not be accepted. There will be no exceptions to this policy.

**Lab Assignments/Homework:** It is important that the student complete all homework assignments. Late assignments will not be accepted. There will be no exceptions to this policy.

Should you find that you are unable to complete the course, it is necessary for you to contact the Office of Student Services at Midland College and officially drop the class; otherwise a grade of “F” will be given for the semester grade. The policy for student withdrawals is stated in the college Catalog in the [Student Rights & Responsibilities](#) section.

**Americans with Disabilities ACT (ADA)**

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact Shep Grinnan as soon as possible. Mr. Grinnan’s office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

**Scholastic Dishonesty**

Midland College does not tolerate scholastic dishonesty or academic misconduct in any form. Please read the MC Student Handbook on this subject. Full information about Midland College policy can be found at [Scholastic Dishonesty and Academic Misconduct](#).
Grading/Evaluation of student

Your final grade will be calculated as follows:

- 90% - 100%  A
- 80% - 89%  B
- 70% - 79%  C
- 60% - 69%  D
- Below 60%  F

Grading Formula:

- 10% - Class Prep
- 20% - Attendance (Discussions)
- 40% - Homework
- 30% - Exams

Course Schedule

Posted in Canvas

Instructor Information

Contact Information
Posted in Canvas

Office Hours
Posting in Canvas

Division Information

Applied Technology Division

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<th>Division Information</th>
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Office Hours

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10/20/16