



CATALOG YEAR 2006-2008
(Please use separate form for each add/change)

COLLEGE: Arts and Sciences

Current Catalog Page(s) Affected p. 280

Course: COSC 2301 Add: Delete: Change: Number X Title X
(check all that apply) SCH Description X Prerequisite X

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

Old:

~~**COSC 2301** *Fundamentals of Computer Science* Three semester hours
Introduces fundamental concepts of programming from algorithmic and object oriented perspectives. Topics include the range of introductory algorithmic concepts and constructs, simple data types, control structures, and introduction to array and string data structures, as well as debugging techniques and the social implications of computing. Emphasizes good software engineering principles and developing fundamental programming skills both in a language independent manner and in the context of a language that supports the object oriented paradigm. Prerequisite: No programming or computer science experience is required. High school BCIS is encouraged. Students should have sufficient abilities in high school mathematics.~~

New:

COSC 1336 *Fundamentals of Programming*. Three semester hours.
This course introduces fundamentals of a high-level programming language. Students, applying rules of syntax and semantics, develop the skills in program design, implementation and debugging to solve computational problems in the programming language. No programming or computer science experience is required. High school BCIS as well as basic Algebra abilities are helpful. Corequisite: COSC 1136.

Justification: Number is updated to represent correct course level. Description is updated to reflect the intention of the teaching and learning.

Program: Add: Change: Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.

Minor: Add: Delete: Change: Attach new/changed minor.
If in current catalog, provide change and attach page with changes in red.

Faculty: Add: Delete: Change: Attach new/changed faculty entry. If in current catalog, provide change and attach page with changes in red.

College Introductory Pages: Add information: Change information: .Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:

Signature

Date

Chair
Department Curriculum Committee

Chair
Department

Chair
College Curriculum Committee

Dean

Syllabus

| | |
|-------------------------|--|
| Course Number and Title | : COSC 1336 Fundamentals of Programming. |
| Prerequisite | : none. |
| Corequisite | : COSC 1136 |
| Instructor | : To be determined |
| Semester | : To be determined |
| Office | : To be determined |
| Telephone Number | : To be determined |
| E-Mail | : To be determined |
| Class Hours | : To be determined |
| Class Room | : To be determined |
| Office Hours | : To be determined |

Objectives:

Upon the completion of this course, the student is expected to command an understanding of the content, materials, and contemporary issues specific to fundamentals of programming.

Student Learning Outcome

Upon successful completion of the course, the student is expected to demonstrate good knowledge of the core topics of the course, develop proper problem-solving skills at the course level, and have the foundations for more advanced computer science and computer science-related studies.

Textbook

1. **Required:** H.M Dietel and P.J. Dietel "C++ How to Program" (5e) Prentice Hall, 2005.

Course Description:

This course introduces fundamentals of a high-level programming language. Students, applying rules of syntax and semantics, develop the skills in program design, implementation and debugging to solve computational problems in the programming language. No programming or computer science experience is required. High school BCIS as well as basic Algebra abilities are helpful.

Skills Assessments

Students are expected to have comprehensive understanding of all topics treated in both the text and the lecture, and exams will test for knowledge of both. The readings, lectures, and class discussions are meant to supplement each other to carry on an inquiry into the topics at hand, although certain repetition and reinforcement are intended and desirable.

There will be assignments/homework/project, one midterm exam, and one final exam.

Attendance and participation are required at all class meetings. All students are responsible for all things taken up in class including announcements regardless of absences.

Make-ups:

A student is allowed to arrange for a make-up exam only if that student was hospitalized or quarantined by a physician with a documented proof and such arrangement for make-up was done as soon as getting back. Unsubstantiated claims will receive a zero grade.

GRADING POLICIES

Grades are recorded from A to F, inclusive and are mailed to students at the end of semester. Numerical values corresponding to these letters are as follows:

| | |
|---|----------------------|
| A | 90-100, excellent |
| B | 80-89, good |
| C | 70-79, average |
| D | 60-69, passing |
| F | Below 60, failure |
| W | Dropped or withdrawn |
| I | Incomplete |

ATTENDANCE POLICY

Frequent or persistent absences may preclude a passing grade or cause a student to be dropped from the course by the faculty.

A student who abandons the course without officially withdrawing will receive a grade of F, regardless of when that student ceases to attend.

Class Format:

Class will consist of a mixture of lecture, discussion, and in class activities. Active participation in class is encouraged. It will always help to read material before the class in order to gain more from lectures and be more prepared for lively discussion in classroom.

Evaluation:

1. There will be assignments/homework/project, one midterm, and a final examination. The aim is to ensure that you have understood the ideas and concepts presented and have gained certain ability to reason from a cognitive perspective. The final will be comprehensive.
2. Students are encouraged to participate in class discussions. The purpose of these is to allow a more in-depth discussion of the issues discussed in the lectures and readings.
3. All assignments/homework/project and requirements must be completed by the start of the final exam to pass the course.

Summary: Points will accumulate over the semester such that there will be:

| | POSSIBLE POINTS TOTAL |
|------------------------------|-----------------------|
| 1 Midterm Exam | X Points |
| 1 Final | Y Points |
| assignments/homework/Project | Z Points |
| TOTAL Possible Points | 100 Points |

Important Dates:

To be determined

Classroom Behavior

The College of Arts and Sciences encourages classroom discussion and academic debate as an essential intellectual activity. It is essential that students learn to express and defend their beliefs, but it is also essential that they learn to listen and respond respectfully to others whose beliefs they may not share. The College will always tolerate diverse, unorthodox, and unpopular points of view, but it will not tolerate condescending or insulting remarks. When students verbally abuse or ridicule and intimidate others whose views they do not agree with, they subvert the free exchange of ideas that should characterize a university classroom. If their actions are deemed by the professor to be disruptive, they will be subject to appropriate disciplinary action, which may include being involuntarily withdrawn from the class.

Copyright Restrictions

The Copyright Act of 1976 grants to copyright owners the exclusive right to reproduce their works and distribute copies of their work. Works that receive copyright protection include published works such as a textbook. Copying a textbook without permission from the owner of the copyright may constitute copyright infringement. Civil and criminal penalties may be assessed for copyright infringement. Civil penalties include damages up to \$100,000; criminal penalties include a fine up to \$250,000 and imprisonment.

Copyright laws do allow students and professors to make photocopies of copyrighted materials under strict conditions. You may not copy most, much less all, of a work, but you may copy a limited portion of a work, such as an article from a journal or a chapter from a book. These copies must be for your own personal academic use or, in the case of a professor, for personal, limited classroom use. In general, the extent of your copying should not suggest that the purpose or the effect of your copying is to avoid paying for the materials. And, of course, you may not sell these copies for a profit. Thus, students who copy textbooks to avoid buying them or professors who provide photocopies of textbooks to enable students to save money are both violating the law.

Plagiarism and Cheating

Plagiarism is the presentation of someone else's work as one's own. Recently, the Internet has complicated the picture. Getting something from the Internet and presenting it as one's own is still plagiarism. Copying another student's paper or a portion of the paper - is usually called copying. Neither plagiarism nor copying will be tolerated. Should a faculty member discover that a student has committed plagiarism, the student will receive a grade of F in that course and the matter may, if necessary, be referred to the Associate Vice President for Student Affairs for possible disciplinary action.

Students with Disabilities

Texas A&M International University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal education opportunity. It is the student's responsibility to register with the Disabilities Services Coordinator and to contact the faculty member in a timely fashion to arrange for suitable accommodations.

Incomplete Grade Assignments

Incompletes are discouraged and are assigned only under extenuating circumstances. To qualify for an Incomplete, the student must be passing the course and have completed 85-90% of the course. The Incomplete is approved. In fairness to those students who complete the course as scheduled, only under extremely exceptional conditions will an Incomplete (I) be changed to an A.

Independent Study Courses

Independent Study (IS) courses are offered only under exceptional circumstances. The chair of the department is to determine whether the IS will be offered on the basis of the students and the University's needs, as certified by the University Registrar. No student will take more than one IS course per semester. Moreover, IS courses are limited to seniors and graduate students. Summer IS course must continue through both summer sessions.

Student Responsibility For Dropping a Course

It is the responsibility of the STUDENT to drop the course before the drop date. Faculty are not responsible for dropping students who suspend class attendance”.

Final Examination

Final Examinations must be comprehensive and must be given on the day specified.

Student E-mail Address

All students must obtain a TAMU e-mail address