



Curriculum Description for St. Francis Baccalaureate

CPTR 210 Introduction to Computer Systems

Prerequisite:

A desire to know computer science in general on top of the study of your area or purely for the understanding itself.

Course Description:

This course is an introductory survey to computer science. We will talk about the major areas of computer science such as programming, operating systems, network, database, and artificial intelligence. The course is organized in lecture, in-class activities, small projects, reading/writing, and discussion.

Course Objectives:

Upon successful completion of this course, students should be able to:

- List and explain the basic areas in computer science
- Appreciate the relevance and interrelationships among the different areas in computer science
- Facilitate the use of computer science technology in your course of study as well as in your daily life

Text and Course Materials:

Computer Science: An Overview, 9th edition, Brookshear, Addison Wesley.
ISBN: 0-321-38701-5

Grading Scheme:

Your final grade will be based upon the following weighted average:

Exams	45%
Assignments	35%
Quizzes	15%
Classroom participation	5%

Letter grades will be determined from the weighted average score approximately as follows:

A	93-100%	B+	88-89%	C+	78-79%	D+	68-69%	F	0-59%
A-	90-92%	B	83-87%	C	73-77%	D	63-67%		
		B-	80-82%	C-	70-72%	D-	60-62%		

Class Policies:

Attendance:

Should you miss a class due to a valid and documented reason, contact instructor ASAP but no later than one week after the class. With three unexcused absences, your grade will be lowered by one letter. Each additional unexcused absence will lead to another half letter drop.

Discipline:

Appropriate behavior with sound on all electronic devices turned off.

Laptop Usage:

There will be instructor designated no-laptop time during class. Other than that, use laptop in courtesy and only for class related activities.

Assignment/Project Submission:

- Unless otherwise specified, you should submit both the hardcopy and the soft copy to the instructor. No email submissions will be accepted.
- For multiple file submission, put all files in a single folder (named after the assignment number and your full name, such as: *assign_3_john_doe*) and zip it. Additional requirements will be specified in each assignment.
- Late submission will receive 50% of the possible score if received within 24 hours of due date. No credits after that.

Grading:

- Grading will be done based on your performance, correctness & smartness of your work.
- For any questions concerning the grading, please see instructor in person with all hardcopy and grading sheet (if applicable) **within one week of its return**. No arguments after that, please.

Academic Honesty:

Since the grade that you receive is to be based on the work that YOU have performed, it is essential that you do your own work on all assignments. This means that you are not permitted to copy or allow your work to be copied, in any way, shape, or form (handwritten, hardcopy, disk, etc.). Discussion of assignments, as long as there is no viewing or copying of information, is permitted. After an assignment has been submitted and graded, you may share your work with others.

With few exceptions, all actions of academic dishonesty involve two parties: the person doing the copying and the person that allowed his material to be copied. In such cases, BOTH parties will be penalized. The minimum penalty will be to receive a zero on the work involved and may be as severe as suspension and a note in your record.

Disability:

If you have any condition or situation that you feel prevents you from doing your best work in this course, it is your responsibility to bring that condition or situation to the attention of the instructor or the Division Head. It is important that we are informed early in the term so that we can make appropriate arrangements for assistance.

Class Schedule (Tentative):

Summary: 30 class meetings, including two midterms and one final

Topic	Chapter
Syllabus, Introduction	
Introduction	0
Basic Encoding and Storage	1
Machine Architecture and Machine Language	2
Operating Systems	3
Review	
Exam 1	
Networking and the Internet	4
Programming, Algorithm	5, 6
Programming, Algorithm	5, 6
Software Engineering	7
Software Engineering, Review	7
Exam 2	
Data Structures	8
Database: basic concepts	9
Database Systems	9
Artificial Intelligence	10
Theory of Computing. Review	11
Final Exam	