

# Introduction to Computer Science (COSC 010) (Summer 2019)

## PROFESSOR:

Mahendran Velauthapillai  
Department of Computer Science  
331 St.Marys  
Phone: 202-687-5936 (office)

## OFFICE HOURS:

M-R :2.00 to 3.00 PM or by appointment

## TEACHING ASSISTANTS:

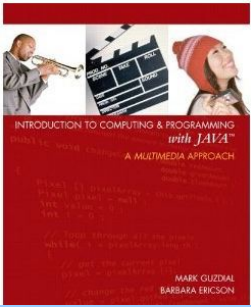
Name	Office Hours	Location	Email
xxxxx	7-8PM or by Appointment	STM G40	xxxxx

## COURSE DESCRIPTION:

The class is designed to give hands on experience in using computers and computer programming.

Students will be introduced to digital logic, circuits, graphics, memory access (internal/external), networks, security, algorithms, representation of information in computers and programming. Students will write programs, and perform other laboratory exercises to understand these concepts. Java will be used as the media by which these topics will be covered. Students will be required to write programs in Java.

**TEXT:**

	Introduction to Computing and Programming JAVA A Multimedia Approach
	Mark Guzdial & Barbara Ericson
	Publisher: Prentice Hall
ISBN:	0-13-607347-6

**COURSE REQUIREMENTS:**

**18 Labs: 70% of your final grade; You will fail if you don't show up to class.**

**ALL LABS MUST BE COMPLETED THE SAME DAY**

**Mid Term: 10% of your grade**

**Final: 20% of your grade**

**IMPORTANT DATES:**

**Mid term1: June 17 (M)**

**Finals; July 3(W)**

**Course Schedule:**

<b>Date</b>	<b>Topic</b>
=====	=====

6/03	Intro
6/04	Chap1
6/05	Chap2
6/06	Chap3
6/10	Chap3
6/11	Chap4
6/12	Chap4
6/13	Chap5
6/17	Chap5
6/18	Chap6
6/19	Chap6
6/20	Midterm
6/24	Chap7
6/25	Chap7
6/26	Chap8
6/27	Chap8
7/01	Chap9
7/02	Chap10
7/03	Finals

**Notes:**

Course notes will be available here the day before class.

**Home Work:**

Home Work	Give n	Point s	Problem
1	6-3	25	1.1,1.2,1.3,1.8,1.9
2	6-4	25	1.11, 1.12, 1.14, 1.17, 1.18
3	6-5	25	2.8,2.9,2.10,2.11,2.12,2.13,2.14, 2.15
4	6-6	25	3.3,3.8, 3.11,3.12,3.13, 3.14
5	6-10	25	3.15, 4.1,4.2,4.3,4.4, 4.5

6	6-11	25	4.6,4.7, 4.8, 4.9, 4.10
7	6-12	25	4.11, 5.1, 5.3, 5.4, 5.16
8	6-13	25	5.5,5.6,5.7,5.9,5.11
9	6-17	25	5.12, 5.13, 5.14, 5.15, 6.8
10	6-18	25	5.17, 6.7, 6.9, 6.17, 6.18
11	6-19	25	In class practice Midterm
12	6-20	50	Midterm
13	6-24	25	6.10, 6.11, 6.12. 6.13, 6.14
14	6-25	25	6.19, 6.20,7.4, 7.5,7.6
15	6-26	25	7.7,7.9,7.11,7.13, 7.14
16	6-27	25	7.17, 7.19, 8.2, 8.5, 8.6 to 8.11
17	7-01	25	8.16,8.17, 8.18,9.1, 9.12
18	7-02	25	Practice final
19	7-03	100	Final

**COURSE POLICY:**

1. All *Home works* should be turned in at the end of the class. Keep the graded home works until the semester is over. Do NOT discard your home works.
2. Late Home work will NOT be accepted.  
If you cannot make it to class to turn in your home work its your responsibility to turn it in prior to the due date.
3. Makeups and extensions will be given only for medical reasons.

**COURSE ETHICS:**

**You can discuss the questions with your classmates,  
but do not copy the solutions.**