# INTRODUCTION TO COMPUTING
## CS1010 3(3-0-3)

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This course provides an overview of computing science concepts for students with little or no programming background. We will explore computing topics from both an applications orientation as well as introducing the student to programming in a higher level language (C++).

The student will become familiar with general computing concepts and terminology. Topics include representation of data; machine architecture; operating system concepts; properties of algorithms and computational problems; syntax of a high-level procedural programming language; basic data types and control structures.

The lab portion of the course will provide students experience in programming in a high-level language as well as practical exercises to complement the theoretical material presented in the lectures.

## Laboratories :
Scheduled Lab facilities for this course are in either J131 or J101 computer labs. Labs will begin the week of Sept 8.

Generally Lab assignments are to be completed and submitted during the same lab period. Lab assignments are common to all lab sections.

**TextBooks:**

     **Concepts**           : **An Invitation to Computer Science 2$^{nd}$ ed.**
                          **J. Gersting and G. Michael Schneider**
                          PWS Publishing

     **Lab Manual**        : **Lab Manual to Accompany**
                          **An Invitation to Computer Science 2$^{nd}$ ed.**
                          **C++ Version**
                          **Kenneth Lambert and Thomas Whaley**
                          PWS Publishing, Brooks Cole

**Marking:**

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| Lab Assignments/Lab exam | 25% |
| Midterm Test  I | 20% |
| Midterm Test  II | 25% |
| Final Exam | 30% |

**Special Notes :**
No late lab or project assignments will be accepted.  The student is responsible for adhering to **all** requirements as specified for each project/lab assignment.