CHAPTER 0

Introduction to Computer Organization

By Pattama Longani
Collage of arts, media and Technology

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LECTURE HOUR: *Tuesday and Friday, 08.00 – 09.30 am at Room 217*

OFFICE HOURS: *Tuesday and Friday, 11.00 – 12.30 am*

SE 211 (953211)

Computer Organization

- **Midterm Exam**

  Thursday October 3, 2019 12.00-15.00
- **Final Exam**

  Wednesday December 4, 2019 12.00-15.00

Course Description

History and evolution of computer. Data representation in computer. Boolean algebra and digital logic. Central processing unit. Memory unit. Input/output unit. Storage unit. Simple computer simulation. Alternative architectures.

Course Objectives

students will be able to:

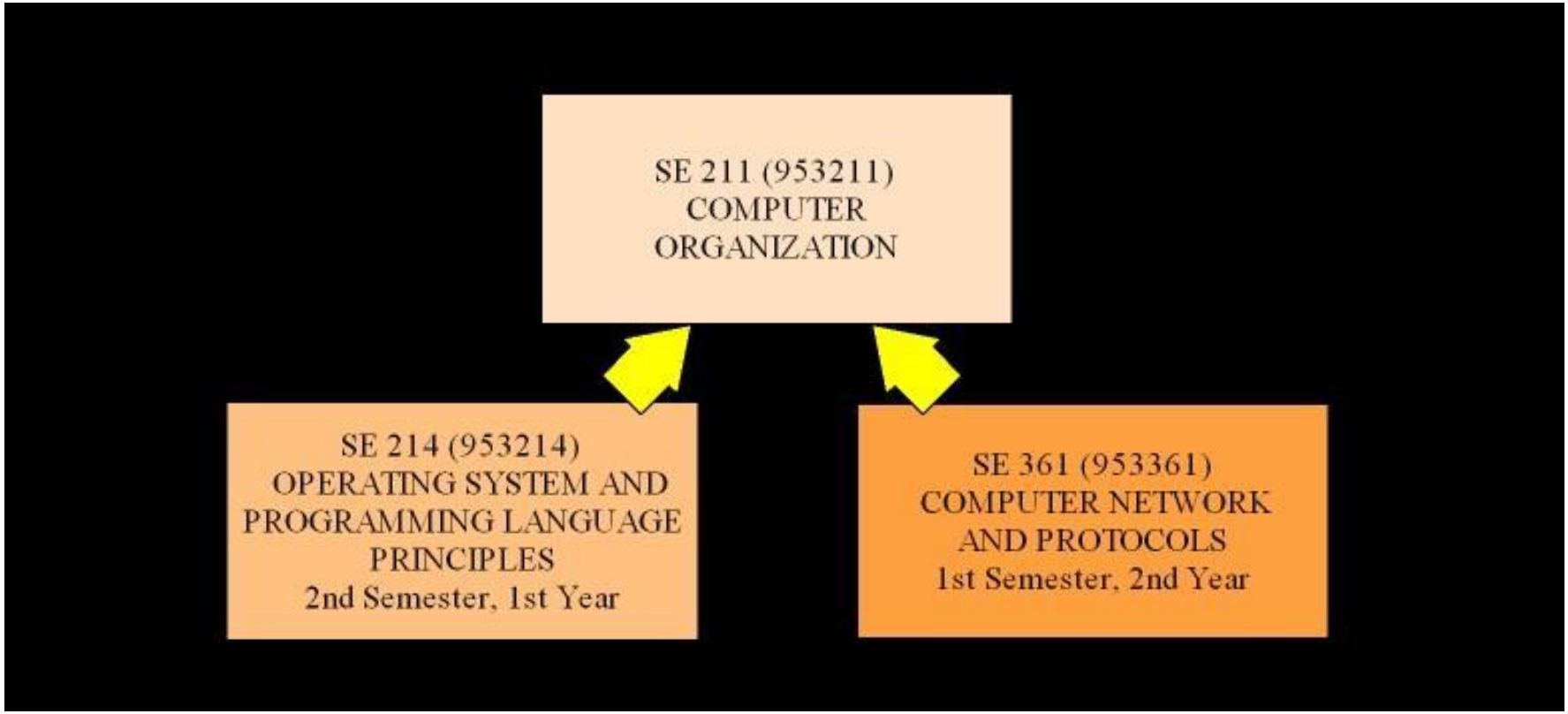
- Explain concepts of computer organization and architectures.
- Explain features, capable of computer organization and architectures.
- Apply the course knowledge to solve the given problem.

What You Will Learn

- Level of Computer Language and the hardware/software interface.
- Computer Arithmetic
- Computer's performance and how to improve.
- Memory System
- I/O system
- Parallel processing

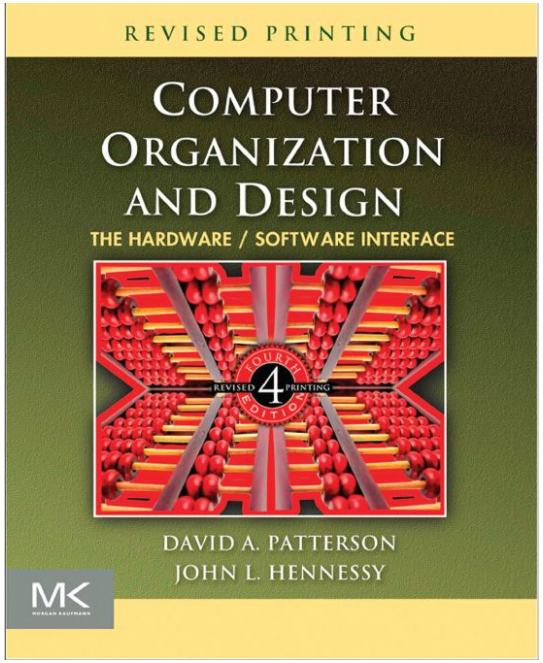
Grading System

Class Attendance	***10%***
Assignments + Quiz + Self-Learning + Kahoot	***30%***
Midterm Examination	***30 %***
Final Examination	***30 %***
Total	**100%**


SE 211 (953211)
COMPUTER
ORGANIZATION
SE 214 (953214)
OPERATING SYSTEM AND
PROGRAMMING LANGUAGE
PRINCIPLES
2nd Semester, 1st Year
SE 361 (953361)
COMPUTER NETWORK
AND PROTOCOLS
1st Semester, 2nd Year

Attendance

Resources



- CMU-Online
- Kahoot Application
- Line
- Text:

  Computer Organization and Design:
  the Hardware / Software Interface,
  David A. Patterson and John L. Hennessy


Kahoot!