King Fahd University of Petroleum & Minerals
College of Computer Science and Engineering
Department of Computer Engineering

Microcomputer System Design (COE 305)
Laboratory

Tentative Syllabus

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The Lab Objectives:
1- **To design a medium-sized microprocessor system.**
2- **To practice programming and using the interfaced I/O chips and devices in a microcomputer system.**

Part -1: 60%

Main Project	General Description	% of the Grade
Phase I	Interfacing the 8284 (generating the clock and reset logic)	10
Phase II	Designing the Fully Demultiplexed Bus	15
Phase III	Designing the Memory System	15
Phase IV	Interfacing with I/O	10
Phase V	Final Check Up	10

Quizzes: 15%

Miscellaneous: 5%

Organization of the Final Product, Table cleanness, Taking Care of equipments and IC's... etc.

Part -2: 20%

Miscellaneous Experiments using Flight-86 kit.