

EECS 10: Computational Methods in Electrical and Computer Engineering

Lecture 1

Rainer Dömer

doemer@uci.edu

The Henry Samueli School of Engineering
Electrical Engineering and Computer Science
University of California, Irvine

Lecture 1: Overview

- Introduction
 - Course overview
- Course administration
 - Course web pages
- Getting started
 - Obtain your UCInetID
 - Obtain an account on the EECS servers
 - Log into the server
 - Work in the Unix system environment

Introduction

- Course Contents
 - Introduction to computers
 - Introduction to structured programming
 - C, a high-level structured programming language
 - Binary data representation
 - Introduction to algorithm efficiency
 - Solving engineering problems
 - Applications of structured programming
 - Hands-on experience
 - Laboratory and discussion sessions

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3

Course Administration

- Course web pages online at <http://eee.uci.edu/09f/18010/>
 - Instructor information
 - Course description and contents
 - Course policies and resources
 - Course schedule
 - Homework assignments
 - Course communication
 - Message board (announcements and technical discussion)
 - Email (administrative issues)

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4

Getting Started

- Obtain your UCI netID
 - Your unique ID at UCI
 - Activation online at OIT (NACS) web pages:

`http://activate.uci.edu/activate/menu.html`
- Obtain an account on the EECS servers
 - Your working account in EECS
 - Activation online at EECS web pages:

`https://newport.eecs.uci.edu/account.py`

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5

Getting Started

- Log into the server
 - Use a terminal with SSH protocol (secure shell)
 - Connect to an EECS server
 - `malibu.eecs.uci.edu`
 - `vivian.eecs.uci.edu`
 - `newport.eecs.uci.edu`
 - Authorize yourself with user name and password
- Work in the Unix system environment
 - Unix shell prints command prompt, awaiting input
 - Type in system commands
`echo, date, ls, cat, man, more,`
`pwd, mkdir, cd, cp, mv, rm, rmdir`
 - Refer to manual pages for help on commands

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6