

Winter 2018
Computer Programming with Excel, CIT-120: 4 credit hours

Required Text: We have the permission (and our gratitude goes to) **Professor Ishwar Sethi** for allowing us use his lesson notes for this class but if you want to buy a book for your reference, I suggest you buy Microsoft Excel 2013 or 2016 edition.

Class Meetings & Location: MW @ 5:30 – 7:17pm, EC 550

Additional Meetings & Contacts: By appointment, Email or after class

Course Website: <https://moodle.oakland.edu/course/>

Course Description: This course is designed to introduce you to computers and computer programming using Excel and Visual Basic for Applications (VBA). In this course you will learn about many features of Excel, problem solving and simulation skills using Excel, including the ability to customize your solutions through VBA programming. The emphasis in the course will be on developing problem solving skills. The examples used in the course are taken either from activities that you can easily relate with or are designed to introduce some computing concepts. The topics covered in the course include stored program computer model, Excel basics, worksheet functions, problem solving strategies, working with text, dates and times, tables and charts including pivot tables and charts, simulation using Excel, macros, and VBA programming.

Prerequisites: none

Course Illustration: Computers are machines programmable for diverse utilities and functions. In this course, picture yourself as the owner or a manager of a big multi-international business/company, where you are concerned with handling large data, different company inventories, official presentations, different analysis and, salaries-rates, overtimes, etc. The aim of this course is to teach you how to easily do all these using Excel.

Course Topics:

- Introduction to Excel
- Formulas and Functions
- Charts and Tables
- Subtotals, PivotTables, and PivotCharts
- What-If Analysis
- Text, Dates, Times and Simulations
- Macros and Visual Basics

Exam Dates:

- Mid Term: 02/28/18
- Final: To be announced

Grading Rubrics:

Homework and Labs:	50%
Mid-term Exam:	15%
Final Exam: Comprehensive	30%
Class Participations: Online presence, discussions, interactions and collaborative ability	5%

- Course GPA will use the formula below if your score is 60 or higher
$$GPA = 2.0 + 0.055(\text{Score} - 60)$$
- Scores below 60 will be considered a fail grade and 96% or higher is 4.0
- All graded work should be based on individual (or group) effort with NO external help, unless otherwise indicated.

Rules:

- Refer to <http://www.oakland.edu/handbook/> for university's academic conduct policy
- Refrain from disrupting the class with the use of mobile devices
- Late materials/deliverables will not be accepted

INSTRUCTOR'S INFORMATION

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