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Syllabus

# CPT 201 Introduction to Linux

Fall Semester

Meets: [Day, Time] [Campus].

# Location

[Room]. Area J3 on [Campus Map link]. Upstairs and wheelchair accessible.

# Instructor

[Instructor Photo]

Instructor Name:

# Contact Information

Email: [Email]

Office phone: [Phone]

Office location: [Location]. Area [Area] on the map above.

Office hours: [Day] [Time], or by appointment.

# Course Description

Students taking this course will learn how to create object-oriented programs using Microsoft’s Visual Basic. Skills will include writing program code, creating a graphical user interface, creating controls, creating and manipulating variables, understanding and implementing program decision making logic, creating sub procedures, debugging, data manipulation and object manipulation. Significant study time outside of class will be required to complete reading assignments and complete homework exercises.

# Course Specifications

| Hours | Total |
| --- | --- |
| 1. Total hours scheduled for class meetings
 | 45 |
| 1. Hours required for outside work (reading and researching)
 | 90 |
| 1. Lab, clinical, or shop hours
 | 0 |
| 1. Total estimated hours of student effort (add lines 1,2,3)
 | 135 |
| 1. Course credit hours. Total form line 4, divided by 45, and rounded to a whole number
 | 3 |

# Course Objectives:

# Learning Outcomes

At the end of this course students should be able to:

1. Create a program that is fully functional, limited only by the tools covered.
2. Understand programming terminology.
3. Describe variable types and their usage.
4. Explain and demonstrate different looping procedures.
5. Explain and demonstrate different decision structures.
6. Be familiar with debugging tools and their operation.
7. Write code that validates or corrects input to prevent run time errors.

# Materials

Visual Basic 2012 How to Program Sixth Edition. Paul Deitel, Harvey Deitel and Abbey Deitel. ISBN: 978-0-13-340695-5.



# Grade Breakdown

| Assignment | Points | Total Points | Percentage of Grade |
| --- | --- | --- | --- |
| Chapter Quizzes | 6 at 20 points each | 120 points | 14% |
| Chapter Exercises | 6 at 40 points each | 240 points  | 28% |
| Programming Projects | 5 at 60 points each | 300 points  | 34% |
| Midterm Examination | Covering Ch. 1-3 | 100 points | 12% |
| Final Examination | Comprehensive | 100 points | 12% |

# Grading Policy

| Range | Letter grade | GPA |
| --- | --- | --- |
| 95-100% | A | 4.0 |
| 93-94 | A- | 3.7 |
| 91-92 | B+ | 3.3 |
| 87-90 | B | 3.0 |
| 85-86 | B- | 2.7 |
| 83-84 | C+ | 2.3 |
| 79-82 | C | 2.0 |
| 77-78 | C- | 1.7 |
| 75-76 | D+ | 1.3 |
| 70-74 | D | 1.0 |
| 69 or below | F | 0.0 |

# Instruction Outline

| Date  | Chapters covered  | Chapter description |
| --- | --- | --- |
| 3-Sep-15 | Introduction | Syllabus, Class Policies, Setup |
| 10-Sep-15 | Chapter 1  | Introduction to Computers, the Internet, and Visual Basic |
| 17-Sep-15 | Chapter 2 | Dive into Visual Studio Express 2012 |
| 24-Sep-15 | Chapter 3 | Introduction to Visual Basic Programming |
| 1-Oct-15 | Review/Catch Up |  |
| 8-Oct-15 | Midterm | In Class Exam |
| 15-Oct-15 | 4.1-4.11 | If…Then, If…Then…Else, Nested Statements |
| 22-Oct-15 | 4.12 | Using the Debugger |
| 29-Oct-15 | 5.1-5.5 | For…Next, Nested Statements |
| 5-Nov-15 | 5.6-5.12 | Select…Case, Do…While, Exit, Continue, Logical Operators |
| 12-Nov-15 | 6.1-6.8 | Classes and Methods. Subroutines, Functions |
| 19-Nov-15 | 6.9-6.14 | Random Numbers, Method Overloading, Parameters |
| 26-Nov-15 | No Class-Holiday |  |
| 3-Dec-15 | Review/Catch Up |  |
| 10-Dec-15 | Final Exam | In Class Exam |
| 17-Dec-15 | Project | Reserved time to complete remaining projects |

# Course Requirements

1. Classroom participation

Students will be expected to be in class prepared for each session, to take notes, co-operate in the teaching/learning process and complete in-class assignments.

1. Assignments
2. Complete all assignments. Generally, you will be given an assignment to complete for each chapter.
3. Students will be expected to read the textbook assignments as scheduled and complete homework assignments on time.
4. Please refer to CMConnect for all due dates. Assignments that are one week late will be worth 50%, two weeks late will be worth nothing.
5. All assignments must be submitted electronically.
6. Examinations
7. Exams and quizzes are required to test your knowledge and ability.
8. Makeup exams/quizzes will only be available under extraordinary circumstance and with the instructor's approval.

# Disability Statement

If you are a student with a documented disability and plan to request an academic or other accommodation, you must register as soon as possible with the Central Maine Community College Disabilities Coordinator, [Name] at [Phone]b or [Email]. Visit the Coordinator’s office in [Location].

# Affirmative Action Statement

CMCC is an equal opportunity/affirmative action institution and employer. For more information, please call [Phone].

# Ethical Behavior Statement

Central Maine Community College requires all students to adhere to high standards of integrity in their academic work. Activities such as cheating on exams and plagiarizing the intellectual work of others are not acceptable and will be subject to severe disciplinary actions up to and including dismissal.

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