

**COMP 165**  
**Fundamentals of Programming**  
**Fall 2011**

Professor: Kourosh Mortezaour                      Office: SM 264  
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Web Page: Login to SMSU's D2L web site to access course materials

Text: Kenneth A. Lambert, *Fundamentals of Python: From First Programs through Data Structures*, Course Technology, 2010

Objectives: To develop the fundamental skills of programming and to learn the related themes of algorithmic problem solving, and object-oriented programming design.

Structure: The class will consist of lectures/discussions and group activities. The material presented in class will overlap that of the text but will contain additions and variations.

The exams will be designed to reinforce your understanding of the material presented and discussed in class as well as evaluate your mastery of it.

**Programming**

Assignments: You will have about one programming assignment per week. Late programs will not be accepted unless you have a valid excuse or I am informed before the deadline.

Attendance: You are expected to attend each class. Your attendance has a strong impact on your grade. Also, your attendance will be used to boost your grade.

Grades: Final grades will be based on the following percentages.

Programming assignments .....	40 %
Mid-term Exam .....	25 %
Final Exam .....	25 %
Attendance & Quizzes.....	10 %

Grading System:	A	90-100 %
	B	78-89 %
	C	60-77 %
	D	50-59 %
	F	0-49 %

You MUST earn at least 40% of each exam in order to pass the course with at least a C-.

To receive any credit for a programming assignment, your programs must compile and run without errors. Programs that do not compile and run will be returned with a score of zero and must be resubmitted. Late penalties will apply to programs that are resubmitted.

Office Hours:

Monday	12:30 – 1:20, 5:00-6:00
Tuesday	1:30-3:00
Wednesday	12:30 - 1:20, 5:00-6:00
Thursday	By Appointment
Friday	12:30 - 1:20, 3:30-5:30

## Semester Schedule (Tentative)

<u>Week#</u>	<u>Topic</u>	<u>Text References</u>
1	Review of Basic Python	Ch 2-4
2, 3	Text Files Lists and Dictionaries	Ch 4, 5
4, 5	Design with Functions	Ch. 6
6, 7	Graphics and Image Processing	Ch. 7
8	Design with Classes	Ch. 8
8	Review for mid-term and mid-term exam	
<b>Fri Oct 14</b>	<b>Mid-Term Exam</b>	<b>Ch. 4 – 8</b>
9, 10	Graphical User Interface	Ch. 9
11, 12	Multithreading and Networking	Ch. 10
13, 14	Basic Search and Sort Techniques	Ch. 11
15, 16	Collections and Arrays	Ch 13
16	Review for Final Exam	
Tue Dec 13	<b>Final Exam:</b> 12:00-2:00	Ch. 9, 10, 11, 13

**There will be NO make up for missing an exam unless there is a provable emergency case.**

### Academic Dishonesty:

Acts of dishonesty will be handled in accordance with SMSU's academic dishonesty policy. While you are encouraged to collaborate when working on homework assignments, you should not share your finished work with someone else nor ask someone else to share theirs with you.