

### Semester

Fall 2018

Class meets in 205 SSB: sec. 001 on Mo/We at 3:30 – 4:45 pm;  
sec. E01 on Tu/Th at 8:20 – 10:35 pm.

### Instructor Details

**Name:** Galina Piatnitskaia

**Office Hours:** Mo/We 10:00 – 10:30 am, 2:30 – 3:00 pm and 4:30 – 5:00 pm;  
Tu/Th 11:30 – 12:00 noon; 4:30 – 6:00 pm  
and by appointment

**Office Location:** 313 ESH (Express Scripts Hall)

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### Course Details

#### Course Description

This course offers the systematic analysis of the principles of modern high-level programming languages. The students perform a comparative study of syntax, semantics and pragmatics of high-level programming languages. The course also provides a brief description of list-processing, object-oriented, functional, procedural, or other programming paradigms.

Prerequisites: CmpSci 2261 and CmpSci3010.

#### Text and Other Materials

“Concepts of Programming Languages” by Robert Sebesta, 11<sup>th</sup> edition, Pearson.  
All current grades and materials for this course will be posted on the course site.

#### Topics to cover:

- Classification of programming languages
- History of programming languages
- Syntax and semantics
- Variables and data types
- Control structures
- Subprograms and their implementation
- Object-oriented programming paradigm
- Functional programming paradigm
- Logic programming paradigm

#### Policies, Submission and Communication

Current grades and all the materials for this course will be posted on the course site.

**Attendance:** Students are expected to attend every class. See below for attendance points. There are no make-up tests. Special circumstances should be individually discussed with the instructor in advance. **Otherwise failure to appear for an exam will result in a grade 0.**

**Homework policy:** Solutions to homework exercises should be submitted on paper on the due date **before** the lecture. **Absolutely NO late** papers will be accepted! Correct answers to all exercises will be available on-line after the class session.

**Quizzes:** There will be frequent class quizzes. Dates will be announced in the class. All quizzes are **closed-books/notes**.

**Exams policy:** All exams will be **closed-books/class notes**. One page (one-sided) of **self-written** notes will be allowed at each test. For dates of the first two exams see the schedules that are posted separately. Please note that these dates may be changed.

**Test #3** (non-comprehensive Final Exam) will be given in 218 SSB on Thursday, December 13: section 01 at 10:00 am – 12:00 noon;  
section E01 at 7:45 – 9:45 pm.

#### Scoring

<b>Grading scheme:</b>	Homework assignments	→	200 points
	Quizzes	→	35 points
	Attendance	→	15 points
	Three exams	→	750 points

The letter grades will be assigned as follows:

Score	<600	600 – 699	700 – 799	800 – 899	>=900
Grade	F	D	C	B	A

Sometimes +/- grades may be given at the discretion of the instructor.

Tentative schedules for sections 001 and E01 are posted separately on the course site.

All changes to the schedule will be announced in the class and posted on the course site.

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**ALL PERSONAL ELECTRONIC DEVICES MUST BE TURNED OFF  
IN THE CLASSROOM !!!**

**IF YOU EXPECT AN EMERGENCY PHONE CALL, PUT YOUR  
PHONE IN A SILENT MODE.**

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#### University Policies and Information

[http://www.umsi.edu/~webdev/mathematics/files/pdfs/cs\\_umsi\\_syllabus\\_university.pdf](http://www.umsi.edu/~webdev/mathematics/files/pdfs/cs_umsi_syllabus_university.pdf)