

# CSC 231

## Selected Language Programming: Prolog

Dr. Melissa Wiggins

MCC 306

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**COURSE CREDIT:** 1 hr. credit                      **PREREQUISITES:** CSC 220 or instructor's consent

**OFFICE HOURS:** MWF 8-8:50; MF 11-11:50; TR 9:25-10:40, T 1:15-2:15, W 1-2; *other hours by appt*

**TEXT:** *Prolog Programming in Depth*, Michael A. Covington, Donald Nute, & André Vellino  
Course web site: <http://cosmo.mc.edu/moodle> - Computer Science - CSC 231MW  
SWI Prolog Website - <http://www.swi-prolog.org/>

**DESCRIPTION:** A study of the syntax and features of a selected special purpose language such as LISP, Prolog, Ada, Pascal, Fortran, Assembly, BASIC or COBOL. Other languages may be included as needed. May be repeated for credit if a different language is offered.

**OTHER MATERIALS:** MCnet account and access to the Internet.

**RATIONALE:** This course is required of all majors and minors in Computer Science and Computing and Information Systems to satisfy their computer languages requirement.

**LEARNING OBJECTIVES:** After successfully passing this course, the student will have a strong understanding and be able to use the selected language to produce programs.

**EVALUATION:** *The instructor reserves the right to make adjustments as necessary.*

Tests: There will be a midterm exam worth 250 points.

Assignments: There will be problem solving assignments worth a total of 500 points.

Final Exam: There will be a comprehensive final examination given at the time specified by the college. This examination will be worth 250 points.

Grading Scale:	900-1000	<b>A</b>	600-699	<b>D</b>
	800-899	<b>B</b>	0-599	<b>F</b>
	700-799	<b>C</b>		

**CLASS ATTENDANCE:** The student is expected to attend classes. Regulations for class attendance are given in the Class Schedule. Remember in a MWF class 12 absences is an automatic **F**. Eight (8) absences in a TR class results in an automatic **F**. Four (4) absences in a once per week class results in an automatic **F**. **Three tardies counts as one absence in this class. (See the Mississippi College catalog).**

**MAKE-UP WORK & TESTS:** Students are expected to take tests on the day they are assigned. However, it is the student's responsibility to contact the instructor in case of an emergency illness or death in the family **before** the test. At that time the student and instructor will agree on a time for the make-up exam. This time should be within 2 days of

the missed test. Assignments are to be turned in on the day they are due!! All work is due at the beginning of the class period. Any work not turned in will lose 10% credit for each school day ***until the third day***. The due date at the beginning of class is day 1. No work will be accepted after the third day. Under no circumstances will work be accepted after the assignment has been graded and handed back in class. Laboratory work will be due at the end of each week's lab at which time a lab quiz will be administered. Exceptions to this may be made at the instructor's discretion. [Mississippi College Policy 2.10](#) Students should expect a penalty for absences as stated above.

**ACADEMIC INTEGRITY:** This statement on academic honesty in computer science courses is an addendum to the Mississippi College policy 2.19 found at <http://www.mc.edu/publications/policies/academic/219.wpd>. In a computer science class individual effort is expected. Student misconduct not only includes cheating on tests, but also extends to copying or collaborating on programming assignments, projects, lab work or research unless otherwise specified by the instructor. Using other people's accounts to do your work or having others do your work is prohibited. Close proximity in lab does not mean collaboration is permitted. **NOTE: Discussing logical solutions to problems is acceptable, exchange of code, pseudocode, designs, or procuring solutions from the Web, other texts, the Internet or other resources on or off campus is not acceptable.**

***First offense: grade of 0 for \*\*all\*\* parties involved unless the "guilty" party can be determined as well as any punishment deemed necessary under policy 2.19***

***Second offense: grade of F in the course as well as any punishment deemed necessary under policy 2.19***

**SPECIAL ACCOMMODATIONS:** If you need special accommodations due to learning, physical, psychological, or other disabilities, please contact Dr. Buddy Wagner in the Counseling and Career Development Center. He may be reached by phone at (601) 925-3354 or by mail at P. O. Box 4016, Clinton, MS 39058.

**DROPPING A COURSE: LAST DROP DATE - October 28**

Students cannot withdraw after this date with a W (passing) unless the three following criteria are met:

- Extenuating circumstances (clearly outside the student's control)
- Passing the course at the time of withdrawal
- Does not have excessive absences at the time of withdrawal

***NOTE: Dropping after the THIRD (3rd) WEEK will result in a grade of W appearing on your permanent record (transcripts). See <http://www.mc.edu/publications/policies/academic/2.13.doc>.***

**TENTATIVE COURSE OUTLINE\***

<b>Day</b>	<b>Date</b>	<b>Course Topic &amp; Reading Assignment</b>	<b>Other Course Assignments</b>
1	Aug 24	Course Policies & Ch. 1 - The Prolog Language	
2	31	Ch. 1	
3	Sept 7	Ch. 2 - Constructing Prolog Programs	
4	14	Ch. 2	
5	21	Ch. 3 - Data Structures & Computation	
6	28	Ch. 3	
7	Oct 5	Ch. 4 - Expressing Procedural Algorithms	
8	12	<b><i>Mid-Term Examination - Ch. 1-3</i></b>	
9	19	Ch. 4	
10	26	Ch. 5 - Reading Data in Foreign Formats	
11	Nov 2	Ch. 5	
12	9	Ch. 6 - Prolog as Its Own Metalanguage	
13	16	Ch. 6	
14	23	<b>No Class</b>	<b>Thanksgiving Break</b>
15	30	Ch. 7 - Advanced Techniques	
16	Dec 7	Ch. 7	
17	12	<b><i>Comprehensive Final Examination</i></b>	<b><i>11:00 a.m. - 1:00 p.m.</i></b>

\*Instructor reserves the right to modify as necessary.