

PRECALCULUS 4 Credits
Course Syllabus - Spring 2005

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ON CAMPUS INSTRUCTOR: Dr. Laura Pyzdrowski OFFICE: 411 B Armstrong Hall
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PREREQUISITES: Pass Placement test [Math ACT24 SAT560 only with consent] FINAL: May 2, 2005

TEXT: Sullivan/Sullivan (1999) Precalculus: Graphing and Data Analysis. Upper Saddle River, NJ, Prentice -Hall.

CALCULATOR: No calculators with QWERTY keyboards or symbolic manipulation capabilities are permitted to be used during tests. Most graphing calculators are permitted.

GRADES:

- 1). There will be four tests (100 points each) and one comprehensive final (200 points) during the semester. The tests are closed book and closed notebook.
- 2). There will be several in-class and take-home assignments/quizzes during the semester - usually one or two per week with group work often required. Upon completion, each assignment/quiz is turned in and graded. **These may not be made up or done in advance.** The scores will be averaged for a possible total of 100 points.
- 3). There will be weekly laboratory assignments. You will be assigned a partner for laboratory work. Upon completion, each **team** assignment is turned in and graded. The scores will be averaged for a possible total of 100 points. Up to one tenth of the points awarded in a laboratory grade are for discussing mathematics with a partner, any laboratories not submitted as a team effort, will not be awarded communication points.
- 4). West Virginia University is committed to social justice. I concur with that commitment and expect to foster a nurturing learning environment based upon open communication, mutual respect, and non-discrimination. Our University does not discriminate on the basis of race, sex, age, disability, veteran status, religion, sexual orientation, color or national origin. Any suggestions as to how to further such a positive and open environment in this class will be appreciated and given serious consideration.
- 5). If you are a person with a disability and anticipate needing any type of accommodation in order to participate in this class, please advise me and make appropriate arrangements with Disability Services (293-6700)

GRADE SCALE:	720 - 800 points	A
	640 - 719.9 points	B
	560 - 639.9 points	C
	480 - 559.9 points	D
	0 - 449.9 points	F

ASSIGNMENTS: Homework will be assigned throughout the semester. Some homework will be assigned to be graded.

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OUTLINE OF COURSE CONTENT: **(tentative)**

			Lab
week 1		Appendix,1.1,1.2	<i>Intro/Planes (1.1)</i>
week 2		1.3,1.5,1.6,1.7	<i>Lines (1.3)</i>
week 3		2.1, 2.2	<i>Basic Graphs (3.2)</i>
week 4	Test 1 App-2.2,	2.3, 2.4	<i>Graph Tech.(2.3)</i>
week 5		3.1/3.6,3.3	<i>Quadratic Functions (3.1)</i> <i>The Pen Problem</i>
week 6		A..3, 3.5 ,3.7	<i>Falling Objects</i> <i>Poly (3.3)</i>
week 7		3.4,3.8	<i>Rational(3.4)</i> <i>The Box Problem</i>
week 8	Test 2 2.3-3.8	4.1, 4.2	<i>Exp (4.2)</i>
week 9		4.3, 4.4, 4.5	<i>Log (4.3)</i>
week 10		4.6, 4.7, 5.1, 5.2	<i>Basic Trig</i>
week 11		5.3,5.4,5.5 5.6	<i>Trig Graph</i>
week 12	Test 3 4.1-5.6	6.1,6.2,6.3,6.5	<i>Trig Graph cont.</i>
week 13		7.1, 7.2,7.3 and 8.1/8.2 (if time permits)	<i>Conics</i>
week 14		9.1-9.4	<i>Make up Labs</i>
week 15	Test 4 6.1-8.4	10.1/10.2 and 8.3-8.4 (if time permits)	FINAL- By May 2

Homework Positions for Cooperative Study

The recorder report along with the Secretary's ability to follow directions is worth 5 points of the homework score, so make sure to include all necessary information and to turn in the problems neatly in the proper order. The instructor can not grade work that is not readable or unorganized, so the secretary must be careful when turning in the work. The homework team positions are set up as follows:

Secretary This team member is responsible for turning in the group assignment. It should be done neatly and **in the order assigned** so that the instructor can easily find and check the work submitted.

Recorder This team member is responsible for turning in the cover sheet for the team. On the cover sheet should be the **first and last name** of each team member who **participated**. If a team member did not participate, it should be indicated on the cover sheet and the nonparticipating member should talk to the instructor. Topics included on the cover sheet:

A: Who- The name of the Group and the first and last names of team members who participated and the positions that they held for this assignment.

B: What- were the snacks.

C: Where- the team met.

D: When- and for **how long** the team met.

E. Which problems were assigned.

F: How- the work was done (All together, only checked answers...)

G: Other-items that made the experience work or not work.

The cover sheet may be written as a paragraph or given as a list of facts.

Planner: This person plans the time and place for the work session(s).

Snacker: This person provides the snacks for the work session.

Slouch: This person **must participate in the work session**; but, has no official obligation.

These are rotating positions and each member should hold each position at least one time.