

COLLIN COLLEGE INSTRUCTOR'S SYLLABUS

— Math-2312.S05 DAILY SCHEDULE —

Month, Day	Class	(* - census)	ACTIVITY	DUE
Aug 25-T	1		Review of Algebra and Trigonometry, Section A.4: Rational expressions, factoring	
Aug 27-R	2		Section 1.4: Functions and the difference quotient	
Sep 01-T	3		Section 1.8: Composite functions	<u>HWK 1</u>
Sep 03-R	4		Section 1.9: Inverse functions	
Sep 08-T*	5		Section 2.6: Rational functions	<u>HWK 2</u>
Sep 10-R	6		Section 2.7: Polynomial and rational inequalities	
Sep 15-T	7		Review (group Lab #1)	<u>HWK 3</u>
Sep 17-R	8		<u>E X A M #1</u>	<u>LAB #1</u>
Sep 22-T	9		Section 3.4: Exponential and logarithmic functions and equations	
Sep 24-R	10		Section 4.5: Graphing the Sine and Cosine trigonometric functions	
Sep 29-T	11		Section 4.7: Inverse trigonometric functions	<u>HWK 4</u>
Oct 01-R	12		Section 5.5: Multiple-angle trigonometric equations, product-to-sum formulas	
Oct 06-T	13		Section 7.1: Non-linear systems of equations	<u>HWK 5</u>
Oct 08-R	14		Section 7.4: Partial fractions	
Oct 13-T	15		Review (group Lab #2)	<u>HWK 6</u>
Oct 15-R	16		<u>E X A M #2</u>	<u>LAB #2</u>
Oct 20-T	17		Section 10.2: Conic sections, the parabola	
Oct 22-R	18		Section 10.3: Ellipses	
Oct 27-T	19		Section 10.4: Hyperbolas	<u>HWK 7</u>
Oct 29-R	20		Section 10.5: Rotation of the conic sections in the plane	
Nov 03-T	21		Section 10.6: Parametric equations	<u>HWK 8</u>
Nov 05-R	22		Sections 10.7, 10.8: Polar coordinates; Graphing polar equations	
Nov 10-T	23		Review (group Lab #3)	<u>HWK 9</u>
Nov 12-R	24		<u>E X A M #3</u>	<u>LAB #3</u>
Nov 17-T	25		Section 10.9: Conic sections in polar coordinates	
Nov 19-R	26		Section 11.1: The Cartesian 3-D rectangular coordinate system	
Nov 24-T	27		Sections 6.4, 11.2: Vectors in 2-D and the dot product; Vectors in 3-D space	<u>HWK 10</u>
Dec 01-T	28		Section 11.3: The cross-product, torque	
Dec 03-R	29		Comprehensive Course Review	<u>HWK 11</u>
Dec 10-R	--		<u>F I N A L E X A M</u>	<u>LAB #4</u>

COURSE MEASURABLE LEARNING OUTCOMES:

Upon completion of this course the student should be able to ...

1. Demonstrate algebraic techniques necessary for calculus.
2. Demonstrate trigonometric techniques necessary for calculus.
3. Use vectors to solve problems, both in 2 dimensions and in 3 dimensions.
4. Find partial fraction decomposition and solve nonlinear systems.
5. Analyze conic sections in both rectangular and polar coordinates.

Religious Holy Days: please refer to the current *Collin Student Handbook*

ADA Statement: It is the policy of Collin County Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

Academic Ethics: The College District may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one (1) or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

Plagiarism is the use of an author's words or ideas as if they were one's own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation. Rev. 9-12-08

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, copying computer or Internet files, using someone else's work for assignments as if it were one's own, or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination or any other course assignment; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.