

Math 154 – Calculus II
Class Calendar Winter 2018
Class Time: TR 8:30 a.m. – 10:48 a.m.

Instructor: Mona Baarson
Office: JM 246

Phone: (517)796–8579
E-mail: baarsonmonag@jccmi.edu

Text: Calculus: Early Transcendental Functions, 2nd Edition
Author: Briggs, Cochran, Gillett
Publisher: Pearson
ISBN: 13: 978-0-321-94734-5 (Student Copy) or 10: 0-321-94734-7 (Student Copy)

Graphing Calculator Required: TI-84 Plus, TI-89 or TI-N-Spire CAS

	Day	Sections	Topic
T	16-Jan	4.9 5.5 5.5	Course Introduction Calculus I Review Antiderivatives and Indefinite Integration(review) Integration by Substitution (review) Inverse Trigonometric Functions : Integration (review)
R	18-Jan	6.1 6.2	Velocity and Net Change Regions Between Curves
T	23-Jan	6.2 6.3	Regions Between Curves Volume by Slicing – Disk and Washer Method
R	25-Jan	6.4	Volume by Shells
T	30-Jan	6.5 6.6	Length of Curves Surface Area
R	1-Feb	6.7	Physical Applications – Density and Mass/ Work/ Force and Pressure
T	6-Feb	6.7 6.8	Physical Applications – Density and Mass/ Work/ Force and Pressure Logarithmic and Exponential Functions Revisited
R	8-Feb	6.9	Exponential Models
T	13-Feb	6.10 Review Exam	Hyperbolic Functions Exam #1 Review of Chapter 6 Exam #1 – Chapter 6 (Will be taken in Testing Lab... BW 121))
R	15-Feb	7.1 7.2	Integration Techniques – Basic Approaches Integration by Parts
T	20-Feb	7.3 7.4	Trigonometric Integrals Trigonometric Substitutions
R	22-Feb	7.4 7.5	Trigonometric Substitutions Partial Fractions

Please note that revisions to the Class Calendar may be necessary during the course because of unforeseen circumstances (school closings, instructor illness, etc.). It is important to attend class regularly to be sure you are up to date on these revisions.

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	Day	Sections	Topic
T	27-Apr	7.5 7.6 4.7	Partial Fractions Other Integration Strategies L'Hopital's Rule
R	1-Mar	4.7 7.8	L'Hopital's Rule Improper Integrals
T	6-Mar	7.9	Introduction to Differential Equations
R	8-Mar	Review Exam	Exam #2 Review of Chapter 7 Exam #2 – Chapter 7 (Will be taken in Testing Lab... BW 121)
M	12-Mar		Mid-Semester Break – No Classes
to	---		Mid-Semester Break – No Classes
Su	18-Mar		Mid-Semester Break – No Classes
T	20-Mar	10.1	Parametric Equations
R	22-Mar	10.1 10.2	Parametric Equations Polar Coordinates
T	27-Mar	10.2	Polar Coordinates
R	29-Mar	10.3	Calculus in Polar Coordinates Calculus in Polar Coordinates
T	3-Apr	10.3 10.4	Calculus in Polar Coordinates Conic Sections
R	5-Apr	10.4	Conic Sections

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	Day	Sections	Topic
T	10-Apr	<i>Review Exam</i>	<i>Exam #3 Review of Chapter 10 Exam #3 – Chapter 10 (Will be taken in Testing Lab...BW 121)</i>
R	12-Apr	8.1	An Overview – Sequences and Infinite Series
T	17-Apr	8.2	Sequences
R	19-Apr	8.3	Infinite Series
T	24-Apr	9.1	Approximating Functions with Polynomials
R	26-Apr	9.2 9.3	Properties of Power Series Taylor Series
T	1-May	<i>Review</i>	<i>Comprehensive Final Exam Review</i>
R	3-May	<i>Exam</i>	<i>Final Exam</i>

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