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MATH 153.01: Calculus II

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SYLLABUS

COURSE/NUMBER/NAME/CREDITS/PREREQUISITES/CATALOG DESCRIPTION
CRN: 70751 Math 153 Calculus II 4 cr.§1 Calculus II

TEXT/AUTHOR/TITLE/PUBLISHER/YEAR/ISBN
[Required]:

[Optional]:
Daryl Hardy & Carol Walker, Doing Calculus with Scientific Notebook, Brooks/Cole (1997) 0-534-34546-8
Scientific Notebook, (Software on CD) TCI Software Research (now MacKiehan Software, Inc.) 0-534-34864-5

SYLLABUS/Chapt/sect #’s & Topics & Pages & Approx time/sect + test/slack time
[380pp/14wks = 27pp/wk = 9pp/lecture = 8secs/chap×6chap/14wks = 3.5secs/wk]
Strang: Calculus
Review: (Ch 1-6 &) Ch 7 Integration §7.1-7.9 pp 377-460 – 4 weeks
Ch 8 Applications of Definite Integrals ... §8.1- 8.8 pp 461-512 – 3 weeks
Ch 9 Principles of Integral Evaluation §9.1-9.8 pp 513-578 – 3 weeks
Ch 10 Mat §8.1-8.6 pp 311-347 – 1 week.
Ch 11 Polar Coordinates & Complex Numbers §9.1-9.4 pp 348-367 – 1 week
Ch 12 Infinite Series §10.1-10.5 pp 368-397 – 2 weeks—TOTAL 14 weeks