

MATHEMATICS 435

Department of Mathematics and Statistics
University of Victoria
January 2013

INSTRUCTOR: A. R. Sourour

SSM A553

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OFFICE HOURS: Mon & Th 1:00-2:00. Other times (T, W afternoons) by appointment (24 hrs in advance.)

TEXTBOOK: Royden and Fitzpatrick *Real Analysis*. 4th ed.

COURSE CONTENT: Lebesgue Integration, Differentiation, L^p spaces. A glimpse into Hilbert space and Fourier Analysis.

GENERAL COURSE POLICIES: Regulations common to all courses offered by the Department may be found on:

<http://www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php>

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| EVALUATION: Assignments (five or six) | 70% |
| Term Test 1 (14 Feb) | 15% |
| Term Test 2 (04 April) | 15% |

The university-wide conversion from percentage marks to letter grades is given by:

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|-------------------------------|--------------------------|---------------------------|
| $[90, \infty) \rightarrow A+$ | $[85, 90) \rightarrow A$ | $[80, 85) \rightarrow A-$ |
| $[77, 80) \rightarrow B+$ | $[73, 77) \rightarrow B$ | $[70, 73) \rightarrow B-$ |
| $[65, 70) \rightarrow C+$ | $[60, 65) \rightarrow C$ | $[50, 60) \rightarrow D$ |
| $[0, 50) \rightarrow F$ | | |

ACADEMIC INTEGRITY: If you find a solution to an assigned question in a book or on the web, you may present it but you should expound on it (e.g., fill in details) and you must acknowledge the source.