

Mathematics 403

Topics in Mathematics for Economics

(see Course Descriptions for the applicable academic year: <http://www.ucalgary.ca/pubs/calendar/>)

Syllabus

<u>Topics</u>	<u>Number of Hours</u>
Structure of Euclidean spaces	3
Topology of Euclidean spaces	4
Completeness and Sequences	3
Continuity	5
Convex sets and polytopes	5
Separating hyperplanes and supporting hyperplanes	3
Brouwer's Fixed Point Theorem	3
Correspondences, upper and lower hemicontinuity	3
Kakutani's fixed point theorem	2
Review of integration of functions of a single variable	2
Double and triple integrals	3
TOTAL:	36

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