



STATISTICS 409 "THEORETICAL PROBABILITY"

Calendar Description: H(3-0)

Elementary measure theory, zero-one laws, weak and strong laws of large numbers, characteristic functions, central limit theorems and infinitely divisible distributions.

Prerequisite: Mathematics 323 and 353.

Syllabus

<u>Topics</u>	<u>Number of hours</u>
Elementary measure theory and probability spaces	6
Zero-one laws	6
Weak and strong laws of large numbers	6
Characteristic functions	6
Central limit theorems	6
Infinitely divisible distributions	6
TOTAL HOURS	<hr/> 36

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