

ROWAN UNIVERSITY
Department of Mathematics

SYLLABUS
1701.421 Mathematics Field Experience

CATALOG DESCRIPTION:

1701.421 Mathematics Field Experience: **3 s.h.**
(Prerequisites: 1701.131 Calculus II, 1702.360 Introduction to Probability and Statistics I)

Students accept assigned projects in a professional environment. These projects normally involve applied mathematics or statistics. Students are expected to work at least 150 hours during the semester for which they receive credit. Written reports are required.

GENERAL NOTE:

Normally, students are expected to work at least 150 hours during the semester in which they receive credit. They are closely supervised by their field experience instructor who also is responsible for informing students of their responsibilities and objectives relative to the particular location where they study and work. Students are evaluated by means of their bi-weekly and end-of semester reports to the faculty instructor. Written input from the student's work supervisor or in-person interviews with the student's work supervisor also is used in the evaluation.

OBJECTIVES:

Students will conduct work at off-campus positions in industry, agencies and institutions, utilizing applied mathematics and statistics. For example, students may work as an engineering assistant, or on an actuary-analyst-mathematician team, or as a research assistant, or as a programmer-analyst. Immersed in a real-life environment, students should be better able to integrate and appreciate much of what they have learned.

CONTENT:

A student chooses a site and meets with a supervisor there to discuss possible projects (topics). Having chosen a project(s), the student then meets with their faculty advisor and the field experience instructor to confirm the appropriateness of the project(s) or topic(s).