

**UNIVERSITY OF NORTHERN BRITISH COLUMBIA**  
**COLLEGE OF SCIENCE AND MANAGEMENT**  
**MATHEMATICS PROGRAM**  
**MATH 699-3: Design of Experiments**  
**Fall 2009**

**Instructor:** Dr. Pranesh Kumar **Office:**10-2510 **Tel:** 250-960-6671 **email:** [kumarp@unbc.ca](mailto:kumarp@unbc.ca)

**Office Hours:** Tues 1:30 - 2:30 pm or by appointment.

**Lectures:** Tues 02:30 – 5:20 pm

**Room:** 5-159

**Course Description:** This course introduces statistical experimental designs and data analysis. Topics to be covered are: basic principles and guidelines for designing experiments, simple comparative designs, single factor analysis of variance, block designs, factorial designs, response surface methods and designs, nested and split plot designs, analysis of covariance.

The recent developments and areas of research in design and analysis of experiments will be reviewed and discussed.

**Text:** Montgomery, Douglas, C. Design and Analysis of Experiments, 7<sup>th</sup>/6<sup>th</sup> edition (2007), John Wiley.

**Disabilities:** If there are students in this course who, because of a disability, may have a need for special academic accommodations; please discuss with me, or, if your prefer, contact Disability Services located in the Teaching and Learning Centre, Room 10-1048.

<b>Evaluation:</b>	Class Presentations/Assignments	60%
	Project	40%

**Grades:**

<b>A+</b> ...	90 – 100%	<b>B+</b> ...	77 – 79.9%	<b>C+</b> ...	67 – 69.9%	<b>D+</b> ...	57 – 59.9%
<b>A</b> ...	85 – 89.9%	<b>B</b> ...	73 – 76.9%	<b>C</b> ...	63 – 66.9%	<b>D</b> ...	53 – 56.9%
<b>A-</b> ...	80 – 84.9%	<b>B-</b> ...	70 – 72.9%	<b>C-</b> ...	60 – 62.9%	<b>D-</b> ...	50 – 59.9%
						<b>F</b> ...	0 – 49.9%