	 The second assessment tests Learning Outcomes 1, 2, and 3. The final assessment tests Learning Outcomes 1, 2, 3, and 4. The formative assessment aims to prepare students for the examinations. The final grade for this module will be determined by averaging all summative assessment grades, based on the predetermined weights for each assessment. If students pass the comprehensive assessment that tests all Learning Outcomes for this module and the average grade for the module is 40 or higher, students are not required to resit any failed assessments. Students are required to resit failed assessments in this module.
INDICATIVE READING:	P. Wackerley, W. Mendenhall, and R. L. Scheaffer, Mathematical Statistics with Applications; 7 th Ed., 2008, Duxbury (Thomson Brooks/Cole)
	 RECOMMENDED READING: HYPERLINK "http://prob140.org/textbook/"Adhikari & Pitman, Probability for Data Science Rice, J. A. Mathematical statistics and data analysis, c2007 3rd edition, international edition (<i>Cengage</i>) Ross, A First Course in Probability; Latest Edition; Pearson Education Moore, McCabe and Craig, Introduction to the practice of Statistics; Latest Edition; Macmillan International Higher Education P.G. Hoel, Introduction to Mathematical Statistics; Latest Edition; John Wiley & Sons
INDICATIVE MATERIAL: (e.g. audiovisual, digital material, etc.)	REQUIRED MATERIAL: N/A
	RECOMMENDED MATERIAL: Journal of the American Statistical Association Journal of the Royal Statistical Society Series B (Methodology) Journal of the Royal Statistical Society Series C (Applied Statistics)
COMMUNICATION REQUIREMENTS:	Oral and written communication skills using academic / professional English.
SOFTWARE REQUIREMENTS:	MS Office and Blackboard CMS Any software distributed with the course textbook.
WWW RESOURCES:	HYPERLINK "http://www.wolframalpha.com"www.wolframalpha.com www.statsoft.com/textbook www.sosmath.com www.freestatistics.info www.mathacademy.com/
INDICATIVE CONTENT:	 Probability Discrete and Continuous random variables Probability Distributions Further topics in probability General Principles for Statistical Inference Sampling distributions Confidence intervals and significance tests Correlation and Regression