DE LA SALLE UNIVERSITY - MANILA
COLLEGE OF SCIENCE
Mathematics Department

SYLLABUS

COURSE CODE: MSS701M and MSS703M
COURSE TITLE: Special Topics 1 and Special Topics 2
CLASS DAY & TIME: 
ROOM: 
NAME OF FACULTY: 
COURSE CREDIT: 3 units x 2 = 6 units
CONTACT NO. (DEPT): 536-0270, 524-4611, loc. 420
TERM/SCHOOL YEAR: 

COURSE DESCRIPTION
A course on Poisson process, renewal theory, Markov chains, continuous time Markov chains, and martingales.

PREREQUISITES:
Consent of Instructor

COURSE OBJECTIVES
???

<table>
<thead>
<tr>
<th>Topic/Subtopic</th>
<th>Learning Strategies /Activities</th>
<th>Week/ Meeting</th>
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<tbody>
<tr>
<td>Nonparametric Statistics, Nonlinear Regressions, Small Area Estimation,</td>
<td>Lecture Facilitated group discussion</td>
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<tr>
<td>Variance Estimation, Resampling Statistics, Bayesian Statistics,</td>
<td>Problem solving</td>
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<td>Actuarial Statistics, Loss Models, Nonresponse Sampling Theory,</td>
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<td>High Dimensional Data Analysis, Remote Sensing and Geographic Information</td>
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<td>System, and the like.</td>
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TEACHING STRATEGIES/METHODOLOGY
1. Lecture
2. Report
3. SAS Exercises

REQUIREMENTS OF THE COURSE
1. Examinations / Reports
2. SAS outputs with discussions
3. Learning Output – critique of a paper

REFERENCES

Noted by

Dr. Isagani B. Jos
Chair, Department of Mathematics

Dr. Jose Santos R. Carandang VI
Dean, College of Science