

**Department of Mathematics**

**Faculty of Science**

**MATH 300 (206300) MATHEMATICS OF FINANCE AND INSURANCE**

**3(3/3-0/0)**

**Abbreviation MATH OF FIN AND INSURANCE**

**Pre requisite** Third year standing

**Course Description**

Applications of mathematics in various fields of finance with emphasis on problems of investment insurance and banking.

**Course Contents**

**No. of Lecture Hours**

1. Interest and annuities certain	3
2. Life annuities	6
3. The mortality table	3
4. Life insurance	9
5. Net level reserves	4
6. Modified reserves	6
7. Surrender values	3
8. Gross premiums	3
9. Mathematics of finance and banking	8
<b>Total</b>	<b><u>45</u></b>