**MATH 133C – Suggested Syllabus**

|  |  |  |
| --- | --- | --- |
| **Week** | **Chapter** | **Topics** |
| 0 | 1 | **Introductions and Chapter 1 (the measurement of interest)** |
| 1 | 1 | **The measurement of interest:** what is interest, various ways of measuring interest |
| 2 | 1 & 2 | Continue discussions of measurements of interest, **Solutions of problems in interest** |
| 3 | 3 | **Basic annuities:** annuity due, annuity immediate, perpetuity, annuity value on any date |
| 4 | 3 & 4 | Solving unknown values in annuity problems, **More general annuities:** annuities payable more or less frequent than interest payable |
| 5 | 4 (cont.) | **More general annuities:** varying annuities |
| 5 |  | **Midterm Exam** (Friday, 11/1, 6:00pm – 7:00pm, RH 306) |
| 6 | 5 | **Amortization schedule** |
| 7 | 5 (cont.) | **Sinking funds** |
| 8 | 6 | **Bonds**: introduction, Premiums and discounts |
| 9 | 6 (cont.) | Bond valuation |
| 10 |  | Review |
| 11 |  | **Final Exam (**Wed, Dec 11, 10:30-12:30pm, RH 306) |

**Textbook**: Kellison, S.G., The Theory of Interest (Third Edition), 2009, Irwin/McGraw-Hill, ISBN: 125921544X or 978-1259215445