

IME 255 Course Description For Quizout Exam

1. Introduction (engineering economic decisions, cost concepts)
2. Interest (time value of money, simple vs. compound, nominal vs. effective),
3. Cash flow patterns (single, uniform, linear gradient, geometric gradient, composite),
4. Economic equivalence,
5. Commercial loan transactions,
6. Stocks & Bonds
7. Present Worth analysis of single and mutually exclusive projects (including Future Worth and Capital Equivalent variants)
8. Annual Equivalent worth analysis of single and mutually exclusive projects
9. Rate of Return analysis of single and mutually exclusive projects
10. Depreciation (book and tax methods including straight-line, declining balance, and MACRS)
11. Corporate income taxes and after-tax analysis