

Learning Stage 1 - The Fundamentals

- 1) Foundations of Engineering Economy
- 2) Factors: How Time and Interest Affect Money
- 3) Combining Factors and Spreadsheet Functions
- 4) Nominal and Effective Interest Rates

Learning Stage 2 - Basic Analysis Tools

- 5) Present Worth Analysis
- 6) Annual Worth Analysis
- 7) Rate of Return Analysis: One Project
- 8) Rate of Return Analysis: Multiple Alternatives
- 9) Benefit/Cost Analysis and Public Sector Economics

Learning Stage 2 - Epilogue: Selecting the Basic Analysis Tool

Learning Stage 3 - Making Decisions

- 10) Project Financing and Non-economic Attributes
- 11) Replacement and Retention Decisions
- 12) Independent Projects With Budget Limitation
- 13) Breakeven and Payback Analysis

Learning Stage 4 - Rounding Out the Study

- 14) Effects of Inflation
- 15) Cost Estimation and Indirect Cost Allocation
- 16) Depreciation Methods
- 17) After-Tax Economic Analysis
- 18) Sensitivity Analysis and Staged Decisions

19) More on Variation and Decision Making under Risk

Appendix A - Using Spreadsheets and Microsoft Excel

Appendix B - Basics of Accounting Reports and Business Ratios

Appendix C - Code of Ethics for Engineers

Appendix D - Alternate Methods For Equivalence Calculations

Appendix E - Glossary of Concepts and Terms