



EL530
Developing Products

CEUs: 2.3
Number of Days: 43

Module 1: It's all interconnected

- Corporate product development
- Roles of Common Functional Areas in Product Development
- Corporate Strategy
- The project life cycle
- Elements of Success and Integration

Module 2: It's an official project, now what?

- Simple Payback
- Net Present Value
- Internal Rate of Return (IRR)
- Project Scope
- Estimating Product Development Costs
- Moving from Concept (R&D) to Planning (Engineering)

Module 3: Concurrent engineering in the product development process

- Designing for Manufacturability
- Lean Manufacturing
- Human Factors Engineering
- Efficiency in Manufacturing and Process
- Six Sigma
- Role of the Engineering Manager
- Engineering and Quality Standards

Module 4: Product design and testing

- Designing for the Real World
- Project Scope
- Stakeholders
- Alignment with Business Strategy

Module 5: Engineering management issues

- Prototype Testing
- Design Analysis
- Anticipating Problems