COURSE SYLLABUS

FPM 233: Applications in Business, Cost & Financial Management Course

This course provides mid-level program and project managers with essential financial management skills for effective decision making in the federal environment. Participants learn to build business cases, develop cost estimates, align budgets with agency priorities, and apply earned value management to monitor project performance across cost, schedule, and scope.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/fpm-233-applications-in-business-cost-financial-management



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Course Outline

Module 1: Business Cases

- Frame mission need, alternatives, and benefits with clear assumptions.
- Perform benefit-cost analysis and define decision criteria.
- Present a defensible value proposition.

Module 2: Cost Estimating

- Select estimating methods (analogy, parametric, or build-up) and justify the Basis of Estimate (BOE).
- Quantify uncertainty and risk; produce ranges and confidence levels.
- Integrate estimates into time-phased budgets.

Module 3: Federal Budgeting

- Navigate formulation, enactment, and execution timelines.
- Align obligation plans with appropriations and fiscal controls.
- Communicate funding impacts to stakeholders.

Module 4: Using Earned Value Management (EVM)

- Interpret Schedule Performance Index (SPI), Cost Performance Index (CPI), and trend indicators to forecast outcomes.
- Diagnose variance drivers and propose corrective actions.
- Link EVM insights to replanning or rebaselining activities.

Module 5: Putting It All Together

- Capstone scenario integrating business case, estimating, budgeting, and EVM.
- Build an on-the-job (OTJ) action plan to mature financial discipline.