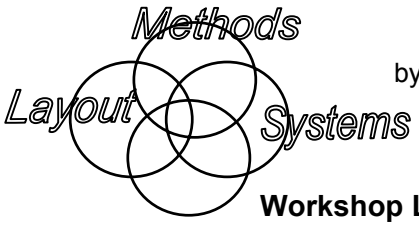
VALUE MANAGEMENT FOR DESIGN & CONSTRUCTION (VM) METHODOLOGY & APPLICATION



Module I
Training Workshop
This module I course has been approved
by the Certification Board of SAVE International
Location & Date:
To Be Determined

KIRK

Workshop Leader: Stephen J. Kirk, PhD, FAIA, FSAVE, CVS

WHY THIS COURSE?

The objective of this training workshop is to acquaint participants with the methodology of VM and its decision-making process. It also familiarizes participants with procedures, which provide standards for VM and VE applications. VM methodology has been developed over 40 years to assist management and engineering professionals to obtain optimum value for each dollar spent. Typical savings range from 5 to 15% for most projects. This Module I course teaches VM in a hands-on, project-based manner. During the workshop managers, architects and engineers will engage in "real-time" decision-making using VM tools and computer technology developed by Dr. Kirk to ensure quality and value while reducing the cost of projects. Participants will apply the VM methodology and decision-making skills to an actual project to gain practical experience using what they are learning. This will demonstrate the effectiveness of the VM techniques in enhancing value while reducing costs.

WHO SHOULD ATTEND?

This course is designed for people responsible for making significant decisions concerning budgets for large, complex projects in private industry and public institutions. In the past, attendees have included executives, managers, architects, trainers and technical specialists in retail, A&E and CM firms, federal and state government agencies, universities, pharmaceutical and other research institutions and transportation and environmental agencies.

Since this seminar is approved by SAVE, individuals planning to become certified value specialists should attend.

Upon completion, each participant will be awarded a certificate.

Day 1

VM Approach to Projects
- SAVE and ASTM E-1699 standards
- Federal VM statutes and procedures
- History and evolution of VM
- Results in industry and government
- *Value – The Success Criterion* (video)

VM Concepts and Principles
- The multi-discipline team approach
- Conducting a value study
- The VM job plan and procedures

Day 2

Information Phase
- Information gathering
- Risk and Quality Modeling
- Cost, Energy, Space and Life Cycle Models
- Team member selection

Function Phase
- Function-Cost-Worth Analysis
- Creating a Function Logic Diagram (FAST)
- *Principles of Value Analysis* (video)

Day 3

Creative Phase
- The creativity process; team dynamics
- Creativity techniques
- VM gaming and simulation
- Idea knowledge systems

Evaluation Phase
- Categorize and rank ideas
- Learn and use T-charting
- Learn and use idea selection matrix

Day 4

Development Phase
- Weighted evaluation and decision analysis
- Prepare design sketches
- Develop proposal narrative description

Life Cycle Costing
- Present worth (NPV) analysis
- Annualized method, IRR, payback period
- Calculate benefit to cost ratio, ranking
- Sensitivity analysis

Day 5

Recommendation Phase
- Team study presentations
- VA/VE report preparation
- Resistance to change
- Implementation and follow-up plan

The Instructor

Stephen J. Kirk, PhD, FAIA, FSAVE, CVS, has a diversified background in facility economics, administration of VM programs and evaluation of business and technological projects. Prior to forming KIRK Associates, LLC, he served as Vice President for the SmithGroup, Inc., a large design engineering and program management firm. He has over 22 years of experience devoted exclusively to VM. Recently the AIA recognized Steve for his contributions to architecture and VM by electing him to the prestigious College of Fellows. Dr. Kirk, a life certified value specialist and a registered architect, currently serves as President of SAVE International. He received his doctorate in architecture from the University of Michigan specializing in VM gaming and computer simulation.

Author of 7 books on VM, including the text for this course, Dr. Kirk has also taught courses at Catholic University, University of Michigan, Lawrence Technological University, King Saud University in Saudi Arabia and Yamouk University as a Senior Fulbright Scholar in Jordan.

He has personally led over 400 VM studies of corporate office and research facilities, retail stores, hospitals, manufacturing plants, military installations and projects involving environmental, transportation and civil engineering issues.
Examples of Dr. Kirk's experience include:
VM program: SCECO Electric Utility Company
VM study: Bronx Criminal Courthouse Complex,
VM program: United Technologies Corporation
VM study: Casino and hotel complex, Sydney, Aus.
VM study: Highway, Babeldoab Is., Palau
VM study: Corrections facility, Los Angeles, CA
VM study: FBI computer offices, West Virginia
VM study: Alternate Solids Project, Louisville, KY
VM study: Facilities masterplanning, NASA, MD
Life Cycle Cost analysis studies: GM Corporation

Text: Enhancing Value in Design Decisions by
Dr. Stephen Kirk & Dr. Kent Spreckelmeyer

KIRK Associates, LLC, is a leader in value management project applications and training and specializes in:

- Strategic Value Planning
- Life Cycle Cost Analysis
- Value Management Workshops
- Budget Cost Modeling and Cost Management
- Risk Modeling and Mitigation Analysis

Registration

Advance registration is required and must be accompanied with payment. Fee includes text ($50 value), VM software, refreshment breaks, lunch and certificate.

Cancellation Policy
Full refund is notice is received more than 15 business days before classes; $50 fee if received 5-15 business days before classes, and no refund if received any closer to the beginning of the seminar.

Text: *Enhancing Value in Design Decisions*, by Dr. Stephen Kirk, FAIA & Dr. Kent Spreckelmeyer, FAIA

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- Establishing Value Management Programs
- Strategic Value Planning / PRECiSE
- Life Cycle Cost Analysis
- Value Management Workshops
- Budget Cost Modeling and Cost Management
- Risk Modeling and Mitigation Analysis
- Post Occupancy Evaluations
- Environmental Sustainability/ LEED Workshops

Participants are encouraged to bring their own project to the workshop. Those that do MUST communicate with the instructor prior to the workshop to insure that the required, detailed information is available.

Note: Limit one project per 5 – 7 person team.