

Marilyn Bush Associates
is offering the
**Introduction to Capability Maturity Model® -Integration
(CMMI®), Version 1.2**
Systems Engineering and Software Engineering
Oxford, United Kingdom

October 10, 11, 12, 2007

Registration Deadline is September 25, 2007

For additional information please call +44 (0) 7976-077100 or email
dawn.kerridge@pan-metron.com

The Introduction to CMMI® represents an official course, licensed by the Software Engineering Institute, Carnegie Mellon University (SEI), and will be presented by SEI-partner, Marilyn Bush Associates

For whom is this course intended?

- ?? Systems and software engineering managers and practitioners interested in understanding the principles of the CMMI® v1.2
- ?? Appraisal teams who are going to be using the CMMI® -based appraisal method in the future (*This class is required for all SCAMPI team members*)
- ?? Systems and Software Engineering Process Group (SEPG/EPG) members who are leading process improvement

Course Description

The course introduces participants to the CMMI® and its fundamental concepts.

This three-day course describes a framework that organisations can use to determine their ability to develop and maintain software and systems. It is a model for organisational improvement. The course is composed of lectures and class exercises with ample opportunity for participant questions and discussions.

The Introduction to CMMI® helps prepare participants to make valid judgments regarding an organisation's implementation of the CMMI® process areas. The course is helpful in identifying issues that should be addressed in performing process improvement as structured by the CMMI® model.

What Will You Learn?

- ?? How to efficiently and effectively apply the CMMI® to help your business
- ?? How to interpret the CMMI® for projects in your environment
- ?? How to make valid judgments of CMMI® implementation and institutionalisation
- ?? How to understand alternative implementations of CMMI® key practices
- ?? The theory behind the model
- ?? How the CMMI® relates to appraisals
- ?? TQM concepts

Course Topics

Topics covered in this course include:

- ?? Introduction
- ?? CMMI[®] overview
- ?? Engineering process maturity - CMMI[®] principles
- ?? Capability levels and process areas of the CMMISM Model
- ?? Relationship of capability levels to maturity levels
- ?? Representation
- ?? Linking the process areas together
- ?? Interpreting the CMMI[®]
- ?? Application of the CMMI[®]

Course Objectives

The course will help participants

- ?? Understand the importance of having defined processes within an engineering organisation and grasp the broad rationale for process improvement
- ?? Comprehend the architecture of the CMMI[®] models (capability levels, maturity levels, process areas, goals, and generic practices)
- ?? Gain a sufficient understanding of process area components to function as CMMI[®]-Based Appraisal team members
- ?? Apply the CMMI[®] principles to systems engineering and software engineering organisations

Prerequisites

Participants must have knowledge of systems engineering, software engineering, and management, including exposure to quality assurance, configuration management, and basic management principles. This course fulfils one of the prerequisites for CMMI[®] Appraisal training.

Schedule

Introduction to CMMI[®] is a three-day course, which starts at 9:00 a.m. and ends at 5:30 p.m. each day.

Course Outline:

DAY 1

Module 1: Introduction

Module 2: Process Improvement Concepts and CMMI[®]

Module 3: Overview of CMMI[®] Model Components

Module 4: Model Representations and Institutionalisation

Module 5: Product Development 1

DAY 2

Module 6: Managing the Project

Module 7: Project and Organisational Support

Module 8: Product Development 2

Module 9: Improvement Infrastructure

DAY 3

- Module 10: Managing Quantitatively
- Module 11: Supporting Complex Environments
- Module 12: Tying It All Together
- Module 13: Next Steps
- Module 14: Summary
- Course Evaluation

Course Work:

Two hours of reading homework will be assigned for the first and second evenings of the course.

Who Will Teach the Course?

You will learn about this latest version of the CMMI[®] from one of the authors of the CMM[®], Marilyn Bush. Marilyn, who is also one of the authors of the SEI's original Introduction to the CMM[®] Course and of the SEI Lead Assessor Course, is co-author of CMMI Assessments: Motivating Positive Change, Addison-Wesley (2005).

Marilyn Bush is one of the world's most experienced Lead Appraisers and since 1989 has helped apply the CMM[®] and CMMI[®] to Space, Telecommunications, Defence, Banking, and Insurance organisations around the world. A onetime senior software manager herself, she can address the CMMI[®] in the context of practical business experience and can explain its inner logic from the perspective of a formulator of some of its key concepts. In this course, the model is realised through hands-on exercises and discussions of what really works (or doesn't work), and why.

Price:

£795 + VAT per student, inclusive of SEI Registration fees and course materials. (All payments must be received by October 1, 2007.)

Fees do not include accommodation or dinners. Both must be privately arranged by the student but can be easily managed in the town of Oxford. Morning and afternoon refreshments and lunch are provided

Location: The Research Centre, 46 St. Giles, Oxford, United Kingdom.
Accommodations and Transportation Information: To be supplied with confirmation e-mail upon registration.

Print your name(s) below as you want it (them) to appear on the class certificate:

Registrant's Contact Information:

Name: _____

E-mail: _____

Address: _____

Phone: _____

FAX: _____

City: _____

County/Postcode: _____

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Cancellation Policy

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If you are unable to attend a course, written notice of cancellation must be sent to Dawn Kerridge via e-mail dawn.kerridge@pan-metron.com and must be received by September 26, 2007. Written cancellations made after that date may only be made if a new student is substituted, but refunds will not be available. Any student substitutes must be via e-mail , one week prior to the start of the course.

Pan Metron Ltd. and Marilyn Bush Associates reserve the right to cancel the course 2 weeks prior to the start date.