UNIVERSITY of VIRGINIA

SCHOOL of CONTINUING & PROFESSIONAL STUDIES

Class Overview

General Class Information
All fields must be completed and posted in UVaCollab and World Viewable in SIS no later than two weeks prior to registration.

Subject Area & Catalog Number	IT3350	Class Title	AGILE PROJECT MANAGEMENT		
Credit Type	☒Undergraduate ☐Graduate	☒ Credit ☐ Noncredit	Delivery Method	☐P (In-Person) ☐CI (Classroom/Internet) ☒WB (Web-Based)	
Re-licensure Re-certification Points		Approval Date *(For internal use only)*			

1. **Class Description (Use the SIS 400 characters from catalog description)**
   INTRODUCES THE PRINCIPLES OF AGILE PROJECT MANAGEMENT AND COVERS THE FRAMEWORKS AND PRACTICES USED BY AGILE TEAMS. EXPLORES INNOVATIVE WAYS OF GATHERING REQUIREMENTS, ESTIMATION, RELEASE PLANNING, PERFORMANCE METRICS, AND SCALING WITH THE AGILE MANIFESTO IN MIND. EMPHASIZES SOFTWARE DEVELOPMENT WHILE APPLYING THE PRINCIPLES TO ANY TYPE OF PROJECT.

2. **Learning Outcomes**
   THE OVERALL OBJECTIVE OF IT3350 IS TO PROVIDE STUDENTS WITH PRACTICAL EXPERIENCE IN APPLYING AGILE METHODOLOGY TO THEIR WORK ENVIRONMENT. BOTH NOVICE AND SEASONED MANAGERS WILL BE ABLE TO APPLY AGILE CONCEPTS TO THEIR SITUATION AT ANY LEVEL. STUDENTS WILL GET A RANGE OF TOOLS TO APPLY TO THEIR WORK. THE STUDENT WILL BE ABLE TO:

   • UNDERSTAND THE DIFFERENCES BETWEEN CONVENTIONAL AND AGILE APPROACHES
   • ESTIMATE IN AN INCREMENTAL AND ITERATIVE FASHION USING PRACTICAL TECHNIQUES
   • PLAN INCREMENT CYCLES
   • PLAN RELEASE CYCLES
   • CAPTURE AND APPLY METRICS
   • UNDERSTAND SCALING ISSUES
   • APPLY AGILE PRINCIPLES TO A RANGE OF DECISION POSSIBILITIES
   • APPLY PRACTICAL METRICS

3. **Assessment Components**
   PARTICIPATION: 20%
   HOMEWORK: 50%
   MIDTERM EXAM   15%
   FINAL EXAM   15%

4. **Required Text (include ISBN, specific edition)**
   1. AGILE PROJECT MANAGEMENT: CREATING INNOVATIVE PRODUCTS, SECOND EDITION
   BY: JIM HIGHSMITH
   PUBLISHER: ADDISON-WESLEY PROFESSIONAL
   PUB. DATE: JULY 10, 2009

PRINT ISBN-10: 0-321-65839-6
PRINT ISBN-13: 978-0-321-65839-5

2. AGILE ESTIMATING AND PLANNING
BY: MIKE COHN
PUBLISHER: PRENTICE HALL
PUB. DATE: NOVEMBER 01, 2005
PRINT ISBN-10: 0-13-147941-5
PRINT ISBN-13: 978-0-13-147941-8

3. USER STORIES APPLIED: FOR AGILE SOFTWARE DEVELOPMENT
BY: MIKE COHN
PUBLISHER: ADDISON-WESLEY PROFESSIONAL
PUB. DATE: MARCH 01, 2004
PRINT ISBN-10: 0-321-20568-5
PRINT ISBN-13: 978-0-321-20568-1

5. **Required Additional Resources and Technical Components**
    STUDENTS ARE EXPECTED TO HAVE ACCESS TO A COMPUTER WITH A WORKING CONNECTION TO THE INTERNET AND A WEB BROWSER SO THAT THEY CAN COLLABORATE AND TURN IN ASSIGNMENTS ONLINE.

6. **Other Class Expectations (for Classroom/Internet and Web-Based classes, specify any live (synchronous) meetings dates, times, delivery mode)**
    STUDENTS ARE EXPECTED TO HAVE ACCESS TO A COMPUTER WITH A WORKING CONNECTION TO THE INTERNET AND A WEB BROWSER SO THAT THEY CAN COLLABORATE AND TURN IN ASSIGNMENTS ONLINE.