Educational Program

[eSCRUMen]

Educational Institution

Ettevõtluskeskus OÜ

Title of the Study Program

IBM IT Scrum Master

Language of Instruction

English (Swedish and Spanish translations are included)

Study Group

en: Information and Communication Technologies - Information and communication technology
et: Informatsiooni- ja kommunikatsioonitehnoloogia - Informatsiooni- ja kommunikatsioonitehnoloogia

Purpose

To empower IT professionals with a comprehensive understanding of modern Agile methodologies, specifically Scrum, equipping them with the practical skills, tools, and mindset necessary to excel as next-generation Scrum Masters. Through hands-on experiences and real-world scenarios, this course aims to bridge the gap between theoretical knowledge and tangible IT project success, all while preparing participants for globally recognized certifications.

Learning Outcomes

1. Master the most up-to-date practical skills and knowledge IT Scrum Masters use in their daily roles.
2. Learn Agile concepts of adaptive planning, iterative development, and continuous improvement, resulting in early customer deliveries and value.
3. Gain knowledge regarding software engineering, Software Development Lifecycle (SDLC), software development tools, & DevOps essential characteristics.

4. Apply learner new skills to real-world projects, build a portfolio, and prepare for the CSM certification exam from Scrum Alliance

Target Group and Enrollment Conditions

Target Groups:

- Existing IT Professionals: Individuals already established in IT roles who wish to upskill, pivot in their career, or better integrate Agile methodologies into their work environment.
- Aspiring Scrum Masters: Individuals aiming to delve deep into Scrum practices, aspiring to become Scrum Masters especially within the IT sector.
- Project Managers: Those who wish to better understand and implement Scrum and Agile practices within their project management processes.
- Software Developers & Engineers: Coders and developers seeking to better understand the organizational side of project management to facilitate smoother project cycles and team collaboration.
- Career Changers: Individuals from non-IT sectors but have foundational knowledge and are aiming to transition into IT roles, especially in project management or organizational roles.
- Students: Graduating or post-graduate students in IT, computer science, or related fields, aiming to fortify their theoretical knowledge with industry-ready skills and approaches.

Enrollment Conditions:

- Educational Background: A bachelor's degree in IT, computer science, engineering, or related fields is preferable, but not mandatory.
- Foundational Knowledge: Basic understanding of IT terminologies, software development lifecycle, and project management principles.
- Language Proficiency: Proficient in English (Swedish and Spanish), both written and spoken, as the course materials, lectures, and resources will be provided in English.
- Equipment & Connectivity: Access to a reliable internet connection and a computer/laptop to engage in online components of the course.

Total Training Volume (expected training time), its structure, learning environment

Total training volume: 92 hours (123 academic hours) of independent work (including homework).

The training is designed for two months.

Teaching methods: The course consists of lectures, practical exercises, independent work, and self-analysis.

List of educational materials: Course materials, including video lectures, worksheets, practical work instructions, case studies, additional materials.

Learning environment: Training is conducted online on Coursera.
https://www.coursera.org/professional-certificates/ibm-it-scrum-master

Instructors

The Program is led by seasoned professionals from IBM:

1. Daniel C. Yeomans is a Project Management Subject Matter Expert at SkillUp EdTech. Passionate about sharing knowledge with others in a way that enhances both their career and lives. An accomplished corporate trainer, University professor, and course developer with a desire to allow students to turn great ideas into reality through the attainment of key management skills and competencies. Holder of multiple certifications in project management, agile, scrum, and quality. Over 45 years of experience in the Information Technology and educational fields. Currently primary project management lead for Northwest University's Master in Business Administration (MBA) program.
2. John J. Rofrano is a Senior Technical Staff Member and DevOps Champion at IBM T.J. Watson Research Center where he leads a variety of research projects exploring the use of AI for accelerating Application Modernization to the Cloud. He is also an Adjunct Faculty Member at New York University Courant Institute, and Stern School of Business, where he teaches a graduate course on DevOps and Agile Methodologies.
3. Ramesh Sannareddy holds a Bachelors Degree in Information Systems (Birla Institute of Technology, Pilani). He has two and a half decades of experience in Information Technology Infrastructure Management, Database Administration, Information Integration and Automation. He worked for companies like Intergraph, Genpact, HCL, and Microsoft.
4. Bethany Hudnutt is an Instructional Designer at IBM. Bethany Hudnutt has two master's degrees, one in mathematics education and the second in instructional design. She excels at applying knowledge of learning science and instructional design models to assist SME's in the design of online, blended/hybrid and face-to-face technology-enhanced courses.
5. Rav Ahuja is a Global Program Director at IBM. Rav leads growth strategy, curriculum creation, and partner programs for the IBM Skills Network. He is the architect for the IBM Data Science Professional Certificate and instructor for the Databases & SQL for Data Science course on Coursera.

Diplomas, Certificates, Certifications

To successfully complete the course, the learner must complete all assignments within two months and pass the final test. Upon completion, students receive a certificate.

Completing 70% of the course allows obtaining a diploma (tunnistus) from Ettevõtluskeskus OÜ. If less than 70% of the course is completed, a certificate (tõend) from Ettevõtluskeskus OÜ is issued for the completed course lessons.

Information about the Course Organizer

The course is organized by Ettevõtluskeskus OÜ, known for its high-quality training and highly rated trainers. All trainers are experts in their field and have deep knowledge and practical experience.

Contact Information for Ettevõtluskeskus OÜ:
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