Course title	Developing career in Project Management - Scrum Fundamentals	ECTS code	14.3.EE.FZ.3692
		ECTS credits	5
		max. students	30

Name of unit administrating study	ITiHM	Field of study	Economics/MSG**	Field of specialisation	NONE;
Teaching staff	Olga Dębicka, PhD				

Number of hours											
Lectures	0	Classes	0	Tutorials	30	Laboratory	0	Seminars	0	Language classes	0

Forma aktywności		Year&Type of studies*	2 SS1, 3 SS1, 1 SS2, 2 SS2,
Hours with the participation of the academic teacher (including office hours, exams, others):		Semester:	3, 5, 1, 3,
Hours without the participation of the academic teacher (student's self-study, homeworks):		Type of course:	optional
Total number of hours:	0	Language of instruction:	English

Teaching form	in-class learning
Teaching methods	Lectures including multimodal presentations, Discussion, questioning, Work in computer laboratories, Collaborating, group activities,

Prerequisites (required courses and introductory requirements)

Required courses	There are no formal pre-course requirements.
Introductory requirements	There are no formal pre-course requirements

Assessment method, forms and criteria

Assessment method	Course completion (graded)
Assessment criteria	The course will be completed on the basis of a portfolio prepared by the student during the course, including the results of group and individual work carried out in class. Students may receive a maximum of 60 points. The grading scale will be in accordance with the study regulations.

Course objectives

This course is taillored to help anyone interested to know more about Scum, learn about key concepts in Scrum as defined in the SBOK Guide; and to gest a basic understanding of how Scrum frameworks works in delivering successfull projects.
The main purpose of this course is to familiarize students with the way they can run Agile projects according to Scrum methodology.. It covers the Agility concept, Scrum framework, and the most common Agile practices and techniques. Students will learn the basics of project management based on DSDM Agile methodology so as they will be prepare for the Agile Scrum Fundamentals exam.
The course gives the students practical Project Management training that’s easy to understand and apply. The course combine practical tools, personal tips and psychological insights to the students so as they can realistically plan their time and resources, understand their team’s strength and weaknesses, monitor everyones’s work and review their progress. It will provide information on how to improve communication skills and giving feedback to inspire and encourage project team.
The course program was designed to teach students how to lead project to perfection, show how to achieve a clear outcome in a defined time, within a limited budget, in order to motivate, inspire and develop teams members. Students will also work with IT software supporting project’s planning and monitoring.

Learning outcomes

Knowledge	MSG1_W10	Students will recognize, define, and work with the concept, advantages and challenges of the Scrum Framework
	E1_W07	Students will gain knowledge petraining to and ability to anticipate issues related to the practical implementation of Scrum

Verification of learning outcomes - Knowledge

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks						

						individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
MSG1_W10				X				X			X
E1_W07				X				X			X

Skills	MSG1_U14	Studens is prepared to play the role of Scrum Master and adopt Scrum Framework in the company.
	E1_U06	Use proper tools to address, resolve and take the lead on Scrum issuess

Verification of learning outcomes - Skills

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
MSG1_U14								X			X
E1_U06								X			X

Attitudes	E1_K04	Student cooperates in a team and undertakes various team roles, has elementary organizational skills which allow to accomplish goals connected with planning and undertaking professional activities.
	MSG1_K04	Student cooperates in a team and undertakes various team roles, has elementary organizational skills which allow to accomplish goals connected with planning and undertaking professional activities.

Verification of learning outcomes - Attitudes

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_K04									X		X
MSG1_K04									X		X

Course contents

1. Basics of Project Management: project lifecycle stages, process, scope, deliverables, purpose, objectives and kick-off
2. Agile overview- understand what Agile Project Management is (why we can no longer ignore Agile methodologies)
- why we use Agile,
- Agile manifesto
- team performance practices
- problem detection and resolutions
- continous improvement
3. Scrum overview: history of Scrum, Scrum flow, benefits of Scrum
4. Scrum principles (empirical process control, self-organization, collaboration, collocation, value based prioritization, time boxing, iterative development).
5. Scrum aspects: organization, business justification, quality, change, risk.
6. Scrum Project Phases: processes, sprints
- Initiate phase processes (project vision, Scrum master and stakeholders, epics, prioritized product backlog, release planning)
- Plan and estimate phase (user stories, task identification, creation of sprinf backlog)
- Implement phase (deliverables, daily standup, groom prioritized backlog)
- Review and Retrospect Phase (demonstrate and vaalidate sprint, retrospect sprint)
- Release phase (ship deliverables, retrospect project)
7. Scrum core team responsibility
8. Scaling Scrum: in programs and portfolios
9. Getting project managements qualifications: Scrum Master Certified Exam, Agile PM Foundation
10. IT software supporting project management (Asana, Trello, MS Project, etc.)

Recommended reading lists

Basic sources:

1. D. Nicolaas, *Scrum for teams. A guide by practical example*, Series: Portfolio and Project Management Collection, Business Expert Press, New York 2018

Additional literature:

1. J. Sutherland, T*he art of doing twice the work in half the time*, New York, 2014, e-book
2. M. Clayton, D. Morrow, *Scrum for dummies*, Hoboken, 2018

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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies
** MSG - International Economic Relations

