Biochemical and Biomedical Innovation

Course code:	740381A
ECTS credits:	2 or 5 credits
Language of instruction:	English
Timing:	February – April 2023
Registration:	Peppi or email to Maarit.Jokela@oulu.fi.
Learning outcomes:	The aim of the course is to get student familiar with:

- the core skill set required to recognize opportunities/needs and how to validate creative ideas
- the concepts of intellectual property rights (IPR)
- the core skill set of searching patent databases
- the concepts of how to pitch an idea

Mode of delivery:	Online and classroom teaching
Learning activities and teaching methods:	Lectures/workshops, group exercises, post-assignments
Prerequisities or co-requisities:	-
Assessment methods:	For 2 ECTS

1) participation in at least 70% of lectures / workshops (7 of 10),

2) exercises + final pitch.
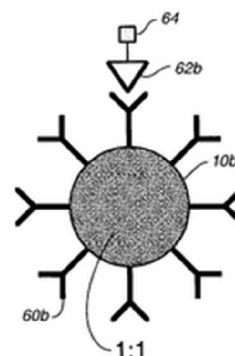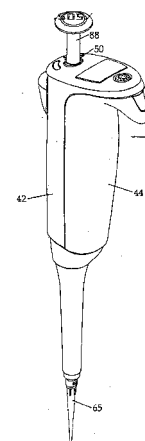
For 5 ECTS

1) participation in at least 70% of the lectures/workshops (7 of 10),

2) exercises + final pitch,

3) submission of Proof-of-concept (PoC) funding application

Grading:	pass/fail
Recommended or required reading:	-
Person responsible:	Professor Lloyd Ruddock

Content and Time Schedule:

Week 7: 15.2. Wed at 4.15-5.30 pm
 	
Place: online
	Introduction to Innovation
	
	  Lloyd Ruddock, Professor, FBMM
	
	Course requirements
	
	  Maarit Jokela, Innovation Manager, University Innovation
	
	Centre

Week 8: 22.2. Wed at 4.15-5.30 pm Place: online	From idea to innovation Maarit Jokela, Innovation Manager, University Innovation Centre • Idea-Invention-Innovation • How are new inventions made?
Week 9: 1.3. Wed at 4.15-6 pm Place: L101A	Creative thinking Niina Karvinen, Business Specialist, University Innovation Centre • How to recognize opportunities and what is needed? • Tools for creative thinking
Week 11: 16.3. Thu at 4.15–6 pm Place: online	Introduction to IPR Maarit Jokela, Innovation Manager, University Innovation Centre • IP rights – what are they?
Week 12: 21.3. Tue at 4.15-6 pm Place: online	Patents and Utility models Introduction to patent databases Maarit Jokela, Innovation Manager, University Innovation Centre • How to get a patent or utility model? • When and how to use patent databases?
Week 13: 28.3. Tue at 4.15-7 pm Place: TBD	Design Sprint inspired -workshop 1 Niina Karvinen, Business Specialist, University Innovation Centre • Problem framing • Ideation • Storyboarding • Validation
Week 14: 4.4. Tue at 4.15-6 pm Place: online	Patent Searching workshop Maarit Jokela, Innovation Manager, University Innovation Centre • Learn to use patent databases • How to validate your idea?

Week 15: 11.4. Tue at 4.15-7 pm Place: TBD	Design Sprint inspired -workshop 2 Niina Karvinen, Business Specialist, University Innovation Centre • Validation, Prototyping, Presenting
Recorded session in Moodle	How to pitch?
Week 16: 18.4. Tue at 4.15-7 pm Place: L101A	Feedback session for pitches Niina Karvinen, Business Specialist, University Innovation Centre • Personal feedback for the pitch
Week 17: 25.4. Tue at 4.15-6 pm Place: L101A	Final pitches Niina Karvinen, Business Specialist, University Innovation Centre • Pitches for experts in the field
15.5.2023	Deadline for submission Proof-of-Concept funding application (5 ECTS only)