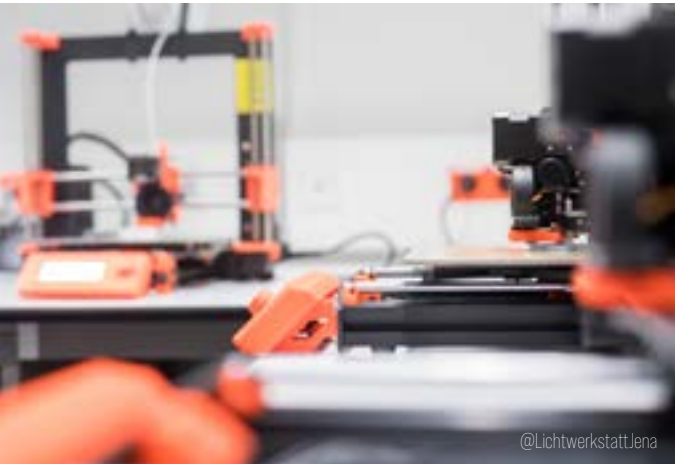


INNOVATION METHODS in PHOTONICS

Summer semester 2022 | Thursdays 12PM – 4PM
Specialisation course | 4 CP | M.Sc. Photonics & Physik

ENROLL NOW

LECTURE 186797 | EXERCISE 186798



Learning Goals

This course shows you how the results of scientific research can be turned into innovations as an important part of your future career!

Understand innovation processes in photonics & develop an entrepreneurial skill set for the independent economical exploitation of scientific ideas.

Course contents

Rapid prototyping technologies in photonics
Innovation management and Design thinking
Hands-on/practical examples of photonics prototyping
Entrepreneurial skills and Business modelling
Basics of intellectual property rights

Methodology: Theory meets Makerspace

- Lectures** You'll learn the basics of innovation management, project management, entrepreneurship, business modelling and intellectual property rights.
- Workshops** In the practical part, you'll apply in-depth knowledge of rapid prototyping technologies (e.g. 3D scanning and printing, laser cutting) as well as creativity methods.
- Innovation Challenges** During the semester, you'll work hands-on in small teams on a photonics innovation project in the Lichtwerkstatt Makerspace.

Registration process

1

Visit the course catalogue at Friedolin of the Friedrich-Schiller-University Jena

2

Choose your study program
M.Sc. Photonics or M.Sc. Physik or others

3

Search for the course under Specialisation / Vertiefung and enrol in — 186797 Lecture
— 186798 Exercise

For more information visit www.lichtwerkstatt-jena.de