

# BioMEMS: The Art of Biochips

EELE 418-001: An Introduction to BioMEMS

EELE 509-001: Solving Healthcare Problems with BioMEMS

- 3 credits / blended -

M-W-F: 10:00 a.m. – 10:50 a.m.

## Topics:

Bio Micro Electro Mechanical Systems (BioMEMS):

- Soft photolithography,
- Hydrogel-based devices,
- Microfluidics,
- Cell-based tissue engineering,
- Implantable microdevices

## Course material:

Textbook:

- Introduction to BioMEMS, Albert Folch, CRC Press, 2013
- Journal articles (Lab-on-a-Chip, Small)

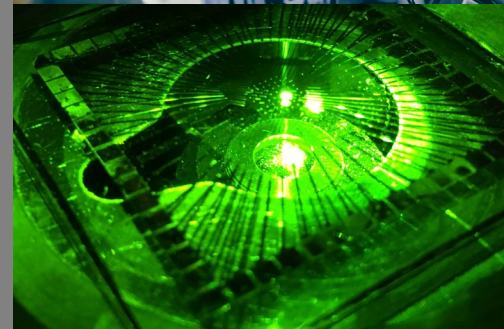
## How to sign up:

Undergraduate and Graduate students:

- Undergraduates should enroll in ELEE 418
- Graduate students should enroll in EELE509 via DegreeWorks, co-convened with ELEE 418
- Contact the Instructor for questions / syllabus



- Spring 2020 -



## Instructor:

Dr. Anja Kunze  
anja.kunze@montana.edu  
www.montana.edu/akunze/  
www.anyakunze.com  
@TheKunzeLab