

Physics II for Biomed (Modern Physics)

Lecture : Tuesdays 13:00-15:00, Wednesdays 13:00-15:00 Y04-G-30

Professor Ben Kilminster (Email ben.kilminster@physik.uzh.ch)

Prof. K's office hours : 36-J-50 Tuesdays 12:00-13:00 (or by appointment)

Class page: <https://www.physik.uzh.ch/de/lehre/PHY117/HS2023.html> (user: physik-phy117, pass: einstein5%)

Teachers assistants :

Frau Ruth Bründler (ruth.bruendler@physik.uzh.ch) (English/German speaking) (In charge of exercises & sessions)

Fanqiang Meng (fanqiang.meng@uzh.ch) (English/Chinese speaking) In-class TA

Exercise session groups :

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16		

References:

Kilminster Physics 1 & 2 scripts (available on the course web site)

Introductory university physics text book. I use the following :

Tipler (Very good explanations, main text I follow)

Halliday & Resnick

Young & Freedman

(But these are all very similar. Find any one that explains the physics well for you.)

Assessments : **Please register on OLAT:** <https://lms.uzh.ch/> This is how we send you assignments

Please log in to see if you can access the course. If not, check your UZH email is registered properly.

- 1) You will be assigned to one exercise session: Thursday 8:00-10:00, 13:00-15:00, 15:00-17:00; Friday 8:00-10:00, 13:00-15:00; Monday 13:00-15:00, 15:00-17:00. First exercise session: Sept. 28th, 29th, Oct. 2nd.
- 2) Written exercises: New exercise sheet every week, assigned on Monday/Tuesday. First homework assigned Sept. 25th/26th. You will not be graded on these. You should attempt to **solve the problems on your own** since this develops the neutral circuitry necessary to solve exercises.
- 3) TAs will show how to solve assigned weekly exercise sheets, answer questions, and go through additional exercises if time. TAs will keep an attendance list. **Note: You really have to go to the exercise sessions.** This is where you learn how to solve problems. In your exams, you will have to solve very similar problems. One problem will be the same. Remember, you will need to practice solving exercises **yourself**.
- 4) **Final exam. (Jan. 17th).** [UZH exam schedule](#)
 - a. Exam style :
 1. **Similar style to written exercises, but different.** (Memorizing solutions doesn't help)
 2. Will be in German and English
 3. Expect question from exercise sessions & relating to experiments shown in lecture
 4. Formula sheet will be provided. (No private information allowed.)
- 5) Grade : 100% final exam