

Physics II for Biomed (Modern Physics)

Lectures: Tuesdays 13:00-15:00, Wednesdays 13:00-15:00 **Y04-G-30** (overflow: Y15-G-60)

Prof. Ben Kilminster (ben.kilminster@physik.uzh.ch), Prof. Florencia Canelli (florencia.canelli@physik.uzh.ch)

Prof. K's office hours : 36-J-50 Tuesdays 12:00-13:00 (or by appointment – please arrange in the breaks)

Class page: <https://www.physik.uzh.ch/de/lehre/PHY117/HS2026.html> (user: physik-phy117, pass: einstein5%)

Teachers assistants :

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

Anson Kwok (English/Mandarin/Cantonese speaking): In-class TA

Exercise session groups :

1	Classes	Adrian Omlin
2		Archimedes Wildhaber
3		Bryan Koch
4		Céline Wallart
5		Daniel Scheiner
6		David Annoni
7		Esteban Tapia Peñas
8		Ethan Sebastian
9		Hugo Schreckenberger
10		Julia Schmied
11		Kilian Schönenberger
12		Lukas Blose
13		Marc Urech
14		Maurice Matthäus
15		Ryan Samolis
16		Shaip Gashi

References:

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

Introductory university physics text book. We use the following :

Tipler (Very good explanations, main text I follow)

Halliday & Resnick (similar)

Young & Freedman (similar)

(Find 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) Weekly OLAT quizzes: These are conceptual questions (true/false). You can complete these on OLAT to test your understanding of the lecture. 17% of the final exam will be in a similar format to these questions.
- 2) Weekly written exercises: 83% of the final exam will be similar to these questions.
 - a. New exercise sheet every week, assigned on Monday. First homework published this week. You will not be graded on these. You should try to **solve the problems on your own** since this develops the neutral circuitry necessary to solve exercises. (To pass final exam!!)
 - b. You will be assigned to one exercise session: Monday 13:00-15:00, 15:00-17:00, Thursday 8:00-10:00, 13:00-15:00, 15:00-17:00; Friday 8:00-10:00, 13:00-15:00.
First exercise sessions: Thu. Sept. 24th, Fri. Sept. 25th, Mon. Sept. 28th
 - c. 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 should 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 almost be the same. Remember, you need to practice solving exercises yourself. Memorizing solutions will not help – what helps is learning how to solve problems like these.
- 3) **Final exam. (Jan. 20th, 2027).** [UZH exam schedule](#)
 - a. Exam style :
 1. **Similar style to OLAT and written exercises, but different problems.** (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 (available online). (No private information allowed.)
 5. We also provide calculators.
- 4) Grade : 100% final exam