

# Electronics

MMD031301W

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Consulting hours: Tue 9.00 – 11.00 (306, C-2)  
Wed 9.00 – 11.00 (114, M-4)

	FEB	MAR				APR				MAY				JUN				JUL		
MO	25	4	11	18	25	1	8	15 ThuE	22	29	6	13	20	27	3	10	17	24	1	8
TU	26	5	12	19	26	2	9	16 FriE	23	30	7	14	21	28	4	11	18	25	2	9
WE	27	6	13	20	27	3	10	17	24 WedE	1	8	15	22	29	5	12 WedO	19	26	3	10
TH	28	7	14	21	28	4	11	18	25 ThuE	2	9	16	23	30	6	13 ThuO	20	27	4	11
FR	1	8	15	22	29	5	12	19	26 FriE	3	10	17	24	31	7	14 FriO	21	28	5	12
SA	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15	22	29	6	13
SU	3	10	17	24	31	7	14	21	28	5	12	19	26	2	9	16	23	30	7	14
P - EVEN N - ODD	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P	N	P

Mid-term test

End-term test

Resit

Lectures: Thursdays from 15.15 to 16.55

Midterm test (11. Apr 2019)  
Endterm test (6. June 2019)

– Max 25 p.  
– Max 25 p.

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Sum. 50 points

Grading policy:

< 20 p. ndst  
20 – 26 p. - dst  
27 – 32 p. - dst+  
33 – 38 p. - db  
39 – 44 p. - db+  
> 45 p. - bdb

But at least 10 points  
for each test.

Resit (13. June 2019)

## General outline of the course:

1. Circuits - electric and electronic circuits, electronic components (passive): R, L, C
  2. Principles of semiconductors
  3. Electronic devices (active components): diodes, transistors, thyristors and many others ..., Integrated circuits: digital & analogue
  4. Optoelectronic devices and circuits
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## Additional informations in Subject Card

*(more on <http://wzmin.pwr.edu.pl/en/team/mateusz-wosko>)*

Faculty of Mechanical Engineering

### SUBJECT CARD

Name in Polish: **Elektronika**

Name in English: **Electronics**

Main field of study (if applicable): **Mechanical Engineering and Machine Building**

Level and form of studies: **I level, full-time**

Kind of subject: **obligatory**

Subject code: **MMD031001 (MMD031301)**

Group of courses: **no**

# Literature:

- G. Rizzoni, Fundamentals of Electrical Engineering, McGraw-Hill
- R. F. Pierret, Semiconductor Device Fundamentals, Addison-Wesley Publ.,
- B.G.Streetman, Solid State Electronic Devices, Prentice-Hall,
- D.Bell, Fundamentals of Electric Circuits, Oxford Univ. Press,
- P. Scherz, Practical Electronics for Invertors, McGraw-Hill