
Period:

From 2020/09/29 to 2021/01/19.

Class hours:

Tuesday 09h00-10h30.

15 lecture classes.

- [01] 2020/09/29. 01. Structural and functional feature of biological body.
- [02] 2020/10/06. 02. What bioengineering is?
- [03] 2020/10/13. 03. Sensory information system: structure & organ (1).
- [04] 2020/10/20. 04. Sensory information system: structure & organ (2).
- [05] 2020/10/27. 05. Biomechanics of cell.
- [06] 2020/11/03. 06. Structure/function and analysis/watch of muscles.
- [07] 2020/11/10. 07. Actuators aiming for biological muscles (1).
- [08] 2020/11/17. 08. Actuators aiming for biological muscles (2).
- [09] 2020/11/24. 09. Blood and cardiovascular system.
- [10] 2020/12/01. 10. Biomaterial.
- [11] 2020/12/08. 11. Heart.
- [12] 2020/12/15. 12. Human death & Organ transplantation.
- [13] 2020/12/22. 13. Alternative medical/scientific approach.
- [14] 2021/01/12. 14. Alternative engineering approach.
- [15] 2021/01/19. 15. Conclusion.

Open URLs to attend the class (before 09h00):

- Waseda Moodle (Bioengineering):

Materials in Waseda Moodle are available only after your course registration.
You must do the exercise and watch movies by yourself.
You should study on-time, but you can also study not on-time on Waseda Moodle.
The Subject is given at the end of class.

- Zoom meeting:

You must attend to show your presence from 09h00 to 10h30.
(URL will be informed in Waseda Moodle before the class-hour.)
If necessary, we will have a discussion, and questions will be replied in the class.

- Past record:

If necessary, you can refer movies of past classes on YouTube (from 2014).
See <http://www.f.waseda.jp/matsumaru/d01lecture.htm>

Procedures:

(01) Exercise

09h00-09h15

From 09h00: Read PDF, Write in DOC or TXT.

Till 09h15: Submit Electric file (It also means taking attendance).

20BieExampleExercise.doc or 20BieExampleExercise.txt

Start: 2020/09/29 09h00

End: 2020/09/29 09h15

Outside: 2021/01/19 09h00

(01) Exercise PDF

20Bie(01)hep.pdf

Start: 2020/09/29 09h00

End: 2020/09/29 09h15

(01) Main Body

09h15-

From 09h15: Read PDF for study.

20Bie(01)hhp.pdf

Start: 2020/09/29 09h15

End: 2021/01/19 10h30

B01-01

B01-11

B01-21

etc.

09h15-

From 09h15: Watch movies for study (more than 95% required).

Start: 2020/09/29 09h15

End: 2021/01/19 10h30

(01) Discussion

09h15-

If you have something to discuss, let me know to share.

Start: 2020/09/29 09h15

End: 2021/01/19 10h30

(01) Subject

10h20-

From 10h20 Read PDF, Write in DOC or TXT.

Till 09h00 (next week) Submit Electric file.

20BieExampleSubject.doc or 20BieExampleSubject.txt

Start: 2020/09/29 10h20

End: 2020/10/06 09h00

Outside: 2021/01/19 09h00

(01) Subject PDF

20Bie(01)hsp.pdf

Start: 2020/09/29 10h20

End: 2021/01/19 09h00

Grade evaluation:

- Exercise score

- Subject score

- Learning status

Comprehensive judgment (TBD).

[End]