科目名　Course Title	
細胞学2(Cell Biology II)	
学科・専攻　Department/Program	受講年次　Grade
G30 Biology	2nd
授業形態　Class style	必修・選択の別　Compulsory or Elective
講義	* See "Remarks"
時間割コード　Registration code	開講期・曜日・時限　Semester,Day & Period
0682110	Fall semester Mon：3
単位数　Credit	科目区分　Course type
2	

担当教員　Instructor	VASSILEVA Maria(VASSILEVA Maria)
所属研究室　Laboratory	E202
連絡先　Contact	mnvassileva@bio.nagoya-u.ac.jp
居室　Room	E202

講義の目的とねらい　Course purpose

This course continues the Cell Biology series of courses with purpose to deepen students ’ knowledge in basic cell organization and functions.
Cell Biology II focuses on membranes and intracellular transport, and how cells communicate and respond to the environment. Furthermore, it will provide details on the essential concepts of how plant and animal cells generate energy.

履修要件　Prerequisite

Strongly recommended to have completed Fundamentals of Biology 1.

履修取り下げの方法について　How to Apply for Course Withdrawal

<「履修取り下げ届」提出の要・不要 Necessity/Unnecessity to submit "Course Withdrawal Request Form">
Necessary
<条件等 Conditions>
Need to submit a Course Withdrawal Request Form when students have no intention of finishing a course during the semester. Submit Course Withdrawal Request form by the sixth lecture. For later course withdrawal contact the lecturer.

成績評価　Grading

Evaluation is based on in-class participation, assignments and examinations.

不可（F）と欠席の基準　Criteria for "Absent" &"Fail" grades

Absent: based on submission of Course Withdrawal Request Form.
Fail: Total accumulated score of less than 60%.

関連する科目　Related courses

Cell Biology I, Cell Biology III

教室　Class room

Check the Course Timetable.
A 408

授業内容　Content

The big theme of the course is membranes.
Detailed content:
1. Membrane structure and function
2. Intracellular Compartments and Transport;
3. Cell Communication;
4. How cells obtain energy from food
5. Energy Generation in Mitochondria and Chloroplasts.

教科書　Textbook

Essential Cell Biology, B. Alberts et al., Garland Science.

参考書　Recommended reading

Becker`s world of the cell, Hardin, Bertoni, Kleinsmith, Pearson.
Molecular Biology of the Cell, B. Alberts et al., Taylor & Francis.

連絡方法　Contact method

By e-mail

その他　Remarks

*See Course List and Graduation Requirements for your program for your enrollment year.