

科目名	Course Title
[秋]生物学特論 (Special Topics in Biology V)	
学科・専攻	Department/Program
生命理学科	
受講年次	Grade
2年	
授業形態	Class style
必修・選択の別	Compulsory or Elective
講義	選択
時間割コード	Registration code
0654900	開講期・曜日・時限 Semester,Day & Period
秋1期 火曜：1時限	
単位数	Credit
1	科目区分 Course type
専門科目	
担当教員	Instructor
VASSILEVA Maria(VASSILEVA Maria)	
所属研究室	Laboratory
連絡先	Contact
mnvassileva@bio.nagoya-u.ac.jp	
居室	Room

講義の目的とねらい	Course purpose
<p>This course will provide students with basic concepts and vocabulary in Cell Biology. Students will familiarize themselves with biological terminology in English and will practice discussing biology concepts in English. Students will also be given opportunity to prepare oral presentations on Biology topics in English. Note: this course is conducted in English.</p>	
履修要件	Prerequisite
<p>Interest in Biology is the only prerequisite. Even students who are not confident in their English skills, but have a desire to improve them, are welcome.</p>	
履修取り下げの方法について	How to Apply for Course Withdrawal
<p><「履修取り下げ届」提出の要・不要 Necessity/Unnecessity to submit "Course Withdrawal Request Form"> 要 <条件等 Conditions> Students need to submit a Withdrawal Request Form to the course instructor when they have no intention of finishing the course. This can be done at any time during the course.</p>	
成績評価	Grading
<p>Grading is based on attendance, written examinations (weekly quizzes) and group assignment (oral presentation).</p>	
不可 (F) と欠席 (W) の基準	Criteria for "Absent(W)" & "Fail" grades
<p>Absent: Submitted Withdrawal Request Form; Fail: failure to accumulate 60 points or more from the evaluation criteria.</p>	
関連する科目	Related courses
<p>Special Topics in Biology VI Special Topics in Biology XVII and XVIII (spring semester)</p>	

他学科学生の聴講について About attend other
<可否> 可能 <条件> Anyone is welcome, including students with no prior background in biology.
教室 Class room
E1 3 1

到達目標 Goal
The goals of this course are for the students to be able to: (1) Explain basic cell biology concepts in English (2) Develop teamwork skills (3) Read and summarize biology-related texts in English (4) Prepare and deliver oral presentation on biology-related information in English

授業内容 Content
1. Introduction to cell 2. Cell membrane - structure and functions 3. Intracellular compartments - structure and functions in protein transport 4. Energy generation in cells - cytoplasm, mitochondria and chloroplasts 5. Cell signaling - uses and major types 6. Cytoskeleton - structure and functions 7. Student presentations

教科書 Textbook
Biology 2e, OpenStax (free downloadable textbook at OpenStax website: openstax.org)
参考書 Recommended reading
Alternative sources (available at School of Science library): Essential Cell Biology; Alberts et al.; WW Norton
連絡方法 Contact method
Students can contact the lecturer via e-mail mnvassileva@bio.nagoya-u.ac.jp
その他 Remarks
This course expects active participation during class and self-directed learning outside of class. Students are expected to read assigned textbook content IN ADVANCE and come to class prepared to discuss it. This course is conducted in English.