

科目名	Course Title
細胞学1(Cell Biology I)	
学科・専攻	Department/Program
G30 Biology	
受講年次	Grade
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
0682100	
開講期・曜日・時限	Semester,Day & Period
Fall semester Fri : 3	
単位数	Credit
2	
科目区分	Course type
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
<p>This course is expected to deepen students' knowledge in basic cell organization, and is the beginning of series of courses on Cell Biology.</p> <p>Cell Biology I course provides students with an overview of cell structure, proteins structure and function, and fundamental genetic processes in the cell.</p>	
履修要件	Prerequisite
Strongly recommended to have completed Fundamentals of Biology I	
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"> 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.</p>	
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
<p>Absent – based on submission of Course Withdrawal Request Form. Fail - a total accumulated score of less than 60%.</p>	
関連する科目	Related courses
Cell Biology II, Cell Biology III	

教室	Class room
Check the Course Timetable. A 408	
授業内容	Content
<p>The course introduces basic cell organization, the structure and role of proteins in cells, and then focuses on overview of genetic processes in the cell</p> <ol style="list-style-type: none"> 1. Basic cell organization; 2. Protein structure and function; 3. Structure of DNA and chromosomes; 4. DNA replication, repair and recombination; 5. From DNA to protein 6. Control of gene expression 7. How genes and genomes evolve 8. Analyzing genes and genomes 	
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.	