

科目名	Course Title
地球惑星科学(Earth and Planetary Sciences)	
学科・専攻	Department/Program
G30 All program	
受講年次	Grade
3rd	
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
0683040	
開講期・曜日・時限	Semester,Day & Period
Fall semester Fri : 1	
単位数	Credit
2	
科目区分	Course type
Basic Specialized Courses	
担当教員	Instructor
HUMBLET Marc Andre(HUMBLET Marc Andre)	
所属研究室	Laboratory
Department of Earth and Planetary Sciences, Geobiology Group	
連絡先	Contact
Phone: 052-789-3037 / E-mail: humblet.marc@f.mbox.nago ya-u.ac.jp	
居室	Room
Science building E, 516	

講義の目的とねらい	Course purpose
<p>In this course students will learn about the characteristics of the planets and other components of our solar system (orbital parameters, atmospheric conditions, internal structure and composition, geomorphology, geological activity). We will use the knowledge of our own planet Earth as a reference to understand processes occurring elsewhere. During the past fifty years, various spacecrafts and exploration vehicles have been used to considerably expand our knowledge of the solar system and send back to Earth ever more detailed pictures of distant worlds. The course will review the different means of space exploration and use abundant data acquired by past and ongoing missions to illustrate the characteristics of the planets. A recurrent topic throughout the course will be the fascinating question of the existence of extraterrestrial life and its detection. We will also discuss the future of space exploration.</p>	
履修要件	Prerequisite
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> A student who wishes to withdraw from the course needs to submit a Course Withdrawal Request Form by the end of November in order to receive an “Absent” grade. This deadline does not apply to students who drop the class part-way through for an exceptional reason (e.g. illness, accident).</p>	
成績評価	Grading
<p>Students will be graded following the five-step S-A-B-C-F grade evaluation system. S: 90-100%, A: 80-89%, B: 70-79%, C:60-69%, F: 59-0% Two quizzes: 20% (10% each) Two short reports: 20% (10% each) Oral presentation: 20% Written essay: 40%</p>	

不可 (F) と欠席の基準	Criteria for "Absent" & "Fail" grades
<p>An "Absent" grade is given to students who have officially withdrawn from the class by the end of May and to students who have withdrawn from the class for an exceptional reason (e.g. illness, accident). A "Fail" grade is given to students who withdraw from the class without meeting the aforementioned criteria and to students who have a final grade of 0-59%.</p>	
関連する科目	Related courses
<p> </p>	
教室	Class room
<p>Check the Course Timetable.</p>	

授業内容	Content
<ol style="list-style-type: none"> 1. Introduction 2. The Solar System 3. Space Exploration 4. The Earth-Moon System 5. Mercury 6. Venus 7. Mars 8. The asteroid belt 9. Jupiter 10. Saturn 11. Uranus & Neptune 12. Trans-Neptunian Objects 	

教科書	Textbook
<p> </p>	
参考書	Recommended reading
<p> </p>	
連絡方法	Contact method
<p> </p>	
その他	Remarks
<p>*See Course List and Graduation Requirements for your program for your enrollment year.</p>	