

## Class Plan Inquiry

UCC1106-03 (Fall Semester 2012)



|                           |                        |                    |                     |
|---------------------------|------------------------|--------------------|---------------------|
| Initial registration date | 2012-08-10 09:21:31    | Last modified date | 2012-08-10 09:22:39 |
| Course Title              | Understanding of Space | Credits            | 3                   |
| lecture room              | B09                    | Lecture time       | Wed 1, Fri 1, 2     |

|                        |                    |                     |                          |
|------------------------|--------------------|---------------------|--------------------------|
| Professor in charge    | Kihoon Park        | Professor in charge | Undergraduate University |
| Lab                    |                    | Contact             |                          |
| e-mail and office hour | kbach@yonsei.ac.kr |                     |                          |

|                                      |  |
|--------------------------------------|--|
| Course Target                        | All undergraduate students (excluding science and engineering majors)  |
| Course Objectives and Overview       | <p>Introduce modern astronomical answers to fundamental questions about the universe at the level of university liberal arts students.</p> <ul style="list-style-type: none"> <li>-The life and death of stars: various stars and what they say</li> <li>-Origin of the Universe: The discovery of cosmic expansion and cosmic explosion</li> </ul>  |
| Prerequisite (Prerequisite Learning) | none   |
| Course operation method              | <ul style="list-style-type: none"> <li>-Class proceeds with writing and explanation</li> <li>-Use appropriate presentations, media such as documentaries and movies according to the lecture topic</li> <li>-It is possible to submit questions and opinions by using cyber class space.</li> <li>-You can actively participate in lectures through presentations and hands-on help activities.</li> </ul> |
| Grading Method                       | <p>Class Participation: 30% (Attendance, Practice, Report)</p> <p>Final Exam: 70%</p>  |
| Textbooks and References             | <p>o There is no designated textbook</p> <p>o References</p> <p>Newton Highlights Series: Astronomy Books<br/>         &lt;Space&gt; written by John Gribbin, translation by Lee Myung-hyun, Sungwoo Publisher</p>   |
| Professor Information                | <p>Theoretical Astrophysics</p> <p>kbach@yonsei.ac.kr</p>  |

| TA Information |                          | Undefined  |                            |   |
|----------------|--------------------------|--|----------------------------|---|
| Summary        |                          | Introductory astronomy for non-science majors, packed with various activities and lots of multimedia materials. Grading is based on exam results, activities and class attendance, etc |                            |   |
| week           | term                     | Class contents   | Textbook Range, Assignment | Remarks   |
| 1              | 2012-09-03<br>2012-09-09 | Invitation to space<br>-Introduction of semester class operation plan<br><br>Scale of the universe 1<br>-Introduction of various objects according to the scale of the universe        |                            | (9.3) Opening<br>(9.5 ~ 9.7) Course Registration and Change |
| 2              | 2012-09-10<br>2012-09-16 | Cosmic Scale (continued)<br><br>Birth and evolution of stars 1<br>-Birth of a star   |                            |   |
| 3              | 2012-09-17<br>2012-09-23 | Birth and evolution of stars 2<br>-Interpretation of starlight<br>-Physical quantity of stars  |                            |   |
| 4              | 2012-09-24<br>2012-09-30 | Birth and evolution of stars 2<br>-Types of stars<br>-Energy of Starlight: Nuclear Fusion and Generation of Elements   |                            | (9.29 ~ 9.30) Chuseok                                       |
| 5              | 2012-10-01<br>2012-10-07 | Birth and evolution of stars 3<br>-Birth, evolution and death of stars<br>-Cluster of stars  |                            | (10.1) Chuseok<br>(10.3) New Year's Day<br>(10.4 ~ 10.5)    |
| 6              | 2012-10-08<br>2012-10-14 | [Media watching]<br>Generation of elements through star birth and extinction   |                            | (10.8) Course withdrawal<br>(10.9) 1/3 of semester          |
| 7              | 2012-10-15<br>2012-10-21 | Origin of the Universe 1<br>-History of Universe Understanding   |                            |   |
| 8              | 2012-10-22<br>2012-10-28 | Intermediate Examination Period  |                            | (10.22 ~ 10.27) Interim Test                                |
| 9              | 2012-10-29<br>2012-11-04 | Origin of the Universe 2<br>Special Relativism and Space Travel  |                            |   |
| 10             | 2012-11-05<br>2012-11-11 | Origin of the Universe 3<br>-History of General Relativity and Gravity Theory  |                            |   |
| 11             | 2012-11-12<br>2012-11-18 | Origin of the Universe 4<br>Space birth and evolution<br><br>[Collaborative Study] Making Space Calendar   |                            | (11.15) semester 2/3  |

|    |                          |   |  |                            |
|----|--------------------------|---|--|----------------------------|
| 12 | 2012-11-19<br>2012-11-25 | Origin of the Universe 4<br>-Accelerated expansion and dark energy of the universe<br>Giant structure |  |                            |
| 13 | 2012-11-26<br>2012-12-02 | [Media Watch] Giant Structure in Space  |  |                            |
| 14 | 2012-12-03<br>2012-12-09 | Introduction to Modern Astronomy  |  |                            |
| 15 | 2012-12-10<br>2012-12-16 | Universe and life<br>-Find another planet<br>-The environment in which living things can live         |  |                            |
| 16 | 2012-12-17<br>2012-12-23 | Final Exam  |  | (12.17 ~ 12.22) Final Exam |

\* Important notices regarding the change of the regular semester's operation method

Class or self-study in the week where the test is not taken into account considering the mid-term period (2019.10.21.-10.25.) And the final period (2019.12.9.-12.20.) Should proceed. \* According to Article 57-2 of Yonsei University School Regulations, students with disabilities may request teaching and learning support for attendance, lectures, assignments, and examinations through interviews with their professors before and after the start of the semester. Assistance is available through the faculty or students with disabilities. Here are some examples of possible disabilities by class, assignment, and exam. (However, the actual support content may vary depending on the nature of the lecture.) [Lecture] -Visually impaired: teaching materials (digital, braille, enlarged textbooks, etc.), essay help allowed -Retardation: teaching materials (digital teaching materials), Ghostwriting and teaching assistant helper allowed, designated seating arrangements - deaf: daepil / text translator helper allowed, lecture transcripts allowed - intellectual disability / autism disorders: daepil assistant and teaching mentor allow [assignment and exam] - visual impairment / disability / deaf : Extension of project submission deadline, adjustment of assignment and submission method, extension of test time, adjustment of test questions and response method, provision of separate place, linkage of helpers, etc. -Intellectual Disability / Autistic Disorder: Submission of individualization assignment and evaluation of alternative evaluation