How to Read Subject Descriptions

A subject description consists of four parts:

- Subject name (p. 4)
- Subject information (p. 4)
- Subject content (p. 5)
- Instructor(s) (p. 5)

Examples:

11.003[J] Methods of Policy Analysis
Same subject as 17.303[J]
Prereq: 11.002[J]; Coreq: 14.01
Acad Year 2023-2024: Not offered
Acad Year 2024-2025: U (Spring)
3-0-9 units. HASS-S

Provides students with an introduction to public policy analysis. Examines various approaches to policy analysis by considering the concepts, tools, and methods used in economics, political science, and other disciplines. Students apply and critique these approaches through case studies of current public policy problems.

C. Abbanat


The subject information section may include the following:

**Subject Information**
The subject name consists of its number and title.

**Subject Name**
The subject name consists of its number and title.

**Prereq:** (Biology (GIR), Calculus II (GIR), Chemistry (GIR), and Physics I (GIR)) or permission of instructor

U (Fall)

5-0-7 units. REST

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### 20.110[J] Thermodynamics of Biomolecular Systems

Same subject as 2.772[J]

Prereq: (Biology (GIR), Calculus II (GIR), Chemistry (GIR), and Physics I (GIR)) or permission of instructor

U (Fall)

5-0-7 units. REST

The subject information section may include the following:

**Subject Information**
The subject information section may include the following:

<table>
<thead>
<tr>
<th>Units arranged</th>
<th>Credit units (hours) indicate the total amount of time spent in class and laboratory, plus the estimated time that the average student spends on outside preparation, for one regular term subject. Credit hours are represented by three numbers separated by dashes (for example, 3-3-6). First is the number of units assigned for class time (lecture and/or recitation); second, the number of units for laboratory, design, or fieldwork; and third, the number of units for preparation. Each unit represents about 14 hours of work per term, or about one hour of work per week for a subject that spans an entire term. The total unit credit for a subject is obtained by adding together all the units shown. <strong>Units arranged</strong> indicates that units are specially arranged with the instructor.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BIOLOGY, PHYSICS I and II, etc.</strong></td>
<td>Subjects that fulfill the General Institute Requirements, such as BIOLOGY, PHYSICS I and II, CALCULUS I and II, CHEMISTRY, REST (Restricted Electives in Science and Technology), Institute LAB, Partial LAB, or HASS (Humanities, Arts, and Social Sciences) are so designated to the right of the credit units.</td>
</tr>
</tbody>
</table>
Subjects that fulfill the HASS Requirement are designated HASS-H (Humanities), HASS-A (Arts), HASS-S (Social Sciences), or HASS-E (Elective).

Subjects fulfilling HASS component of the Communication Requirement are designated CI-H or CI-HW. See degree charts to identify communication-intensive subjects in each major (CI-M).

Appears to the right of the credit units if the subject is graded on a P, D, or F basis (where P means C or better performance).

Appears under the credit units if the subject can be taken more than once for academic credit.

Indicates subjects whose content is substantively similar to the subject described. Interested students should take care to register for credit for only one of the subjects indicated.

**Subject Content**

If a description of the subject content is not given, the associated subject number under which the description can be found appears instead. Any subject open only to special groups is so noted at the end of its content description.

**Instructor(s)**

The name of the instructor(s) or department contact appears in italics at the end of the subject description.