# 國立嘉義大學人文藝術學院史地學系教學綱要

<table>
<thead>
<tr>
<th>授課科目</th>
<th>災害研討</th>
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<tbody>
<tr>
<td>授課教師</td>
<td>談珮華</td>
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<tr>
<td>必選修別</td>
<td>選修</td>
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<td>先修科目</td>
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<tr>
<td>學分數</td>
<td>3</td>
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<tr>
<td>上課時間及地點</td>
<td>每週五 234，I408</td>
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<td>開課年級</td>
<td>碩士史地一甲</td>
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### 教學目標

1. Review three main types for natural hazard: i) Climatic; ii) Geological; iii) Land Instability. All consider the casual processes and consequences of these hazards.
2. Present detailed cases studies at various scales, and focus on attempting to reduce the impact of natural hazards.

### 教學內容及進度

I. Introduction: a classification of natural hazards
II. Climatic hazards
   1. Background: atmospheric origin, composition and structure, stability and cloud development, precipitation processes, forces and winds, air masses and fronts
   2. Large-scale: tropical cyclones, extra-tropical cyclones, storm surges
   3. Strong wind: tornados and dust storms
   4. Associated precipitation hazards: thunderstorms, lightning and hail
   5. Drought and flood
   6. Global warming
   7. Ozone hole
III. Geological hazards
   1. Earthquakes
   2. Volcanoes
   3. Tsunamis
   4. Environmental control and management
IV. Land instability hazards
   1. Landslip
   2. Soil erosion
   3. Mudslides
   4. Avalanches
V. Cases studies of managing natural hazards

* This syllabus is subject to changes.

### 評量標準

Homework + Oral and written reports  40%
Mid-term Exam  30 %
Final Exam  30 %

### 參考資料

劉鴻喜 (1998), 自然地理學，增訂四版，台北: 三民。