

Subject Description Form

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| Subject Code | CSE40482 |
| Subject Title | Disaster Control and Management |
| Credit Value | 3 |
| Level | 4 |
| Pre-requisite / Co-requisite/ Exclusion | Exclusion: CSE482 Disaster Control and Management |
| Objectives | This subject aims to review the nature and consequence of natural and manmade disasters, and corresponding management and control regimes. |
| Intended Learning Outcomes | <p>Upon completion of the subject, students will be able to:</p> <ol style="list-style-type: none"> a. understand basic terminologies and concepts in disaster management; b. distinguish between natural and human-made hazards; c. familiar with fundamental concepts of emergency management cycle; d. recognize the psychological impact of disaster and the need for effective management on victim psychology; e. understand disasters as disturbances in our environment that need to care for; f. critically review the appropriateness of disaster control and management for proper concern of the victims, communities and the people of the world as a whole. |
| Subject Synopsis/ Indicative Syllabus | <ol style="list-style-type: none"> 1. <u>Introduction</u> What is a disaster? Historical review of different types of disasters and their management. Definitions. Disaster trends. 2. <u>Hazards</u> Types of hazards. Natural and human-made hazards. Disasters and emergencies. Hazard identification and their characteristics. Hazard analysis. 3. <u>Risk and Vulnerability</u> Risk and hazard. Likelihood and consequence. Risk evaluation. Risk acceptability. Vulnerability. 4. <u>Management of Disasters</u> Modern disaster management. Team approach to disaster management. International disaster management. Model of victimization. 5. <u>Psychological impact of Disasters</u> Factors affecting the perception of stress. Acute stress disorders. Post-traumatic stress disorders. Counselling and support of victims. |

| | <p>6. <u>Participation in Disaster Events</u> Government participation in emergency management. Bilateral disaster management assistance. National and international agencies. Role of non-governmental agencies in disaster management. Disaster management and multi-lateral and international organizations and international financial institutions.</p> <p>7. <u>Special Considerations</u> Coordination. The Media. Culture and disaster relief. Institutional capacity development. Political and power distribution. Compound emergencies. Donor fatigue. Corruption. Humanitarian assistance and relief distribution. Early warning. Risk reduction and development. Terrorism.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Teaching/Learning Methodology | The lectures will cover basic concepts in disaster management and control. Fieldwork will be incorporated where appropriate during the course of study. During the study, students are required to research related literatures or articles to support what they have learnt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Assessment Methods in Alignment with Intended Learning Outcomes | <table border="1" data-bbox="527 930 1386 1346"> <thead> <tr> <th rowspan="2">Specific assessment methods/tasks</th> <th rowspan="2">% weighting</th> <th colspan="6">Intended subject learning outcomes to be assessed</th> </tr> <tr> <th>a</th> <th>b</th> <th>c</th> <th>d</th> <th>e</th> <th>f</th> </tr> </thead> <tbody> <tr> <td>1. Coursework</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>a. Quiz I</td> <td>10</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>b. Quiz II</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td>c. Individual Essay</td> <td>10</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>d. Group Report and Presentation</td> <td>15</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td>2. Final Examination</td> <td>60</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Total</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Students must attain at least a grade of D in both coursework and the final examination (whenever applicable) in order to attain a passing grade in the overall result.</p> | Specific assessment methods/tasks | % weighting | Intended subject learning outcomes to be assessed | | | | | | a | b | c | d | e | f | 1. Coursework | | | | | | | | a. Quiz I | 10 | ✓ | ✓ | ✓ | ✓ | | | b. Quiz II | 5 | | | | | ✓ | ✓ | c. Individual Essay | 10 | ✓ | ✓ | ✓ | | | | d. Group Report and Presentation | 15 | ✓ | ✓ | ✓ | | ✓ | ✓ | 2. Final Examination | 60 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Total | 100 | | | | | | |
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| Reading List and References | <p>Essential Textbook:</p> <p>Coppola, D. P. (2007). <i>Introduction to International Disaster Management</i>. Amsterdam: Elsevier.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |