Course objectives - That the end of the course you will be able to:  
• Define the 4 phases of emergency management within context of 5 FEMA Mission Areas  
• Determine risks and opportunities  
• Profile hazards (changes)  
• Apply mitigation tools and approaches to reduce risks / enhance opportunities associated with hazards  
• Define a Resiliency Model  
• Test Resiliency Model through exploration of future scenarios  
• Evaluate Model  
• Realize that where there are hazardous events, there are opportunities

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<tr>
<th>Month</th>
<th>Day</th>
<th>Topic</th>
<th>Student Activity</th>
<th>Subject Source / Readings</th>
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<tr>
<td>January</td>
<td>20</td>
<td>Martin Luther King Day</td>
<td>Lecture</td>
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</table>
| 22 | | Risks / Opportunities Assessment by Student Team - Tectonic (Geologic Hazards): Earthquake, Volcano, Landslides, Tsunami | 1. Discussion of Reading Material  
2. Presentations by student teams - South West, Snohomish and Stillaguamish |
| | |  | 3. Snohomish County Hazard Mitigation Plan – Volcano, Tsunami and Landslide Chapters  
4. ESCHA Hazard Mitigation Plan - Earthquake  
5. County identified Action Items. |
| 27 | | Follow up discussion to first set of presentations. | 1. Discussion of assigned material and topical information  
2. Lecture / discussion of presentations and new material |
| 28 | | Risks / Opportunities Assessment – Meteorological hazard based risks: Drought, Flood, Severe Storm and Wildfire Fire | 1. Discussion of concepts presented in readings  
2. Lecture on Geologic Hazard specific risks - Earthquake  
3. Preservation and Hazard Mitigation for Unreinforced Masonry Buildings in Seattle  
4. Social Representations of Earthquakes: A Study of People Living in Three Highly Seismic Areas  
5. PPTs on Project Safe Haven and Bahreyn. |
| 3 | | Risks / Opportunities Assessment Continue – Meteorological hazard based risks: Drought, Flood, Severe Storm and Wildfire Fire | 1. Discussion of assigned material and topical information  
2. Lecture on Geologic Hazard specific risks - Earthquake  
3. State Hazards Mitigation Plan – Drought, Flood, Severe Storm and Wildfire Fire  
4. Snohomish County Hazard Mitigation Plan – Drought, Flood, Severe Storm and Wildfire Fire  
5. ESCHA Hazard Mitigation Plan - Earthquake – Drought, Flood, Severe Storm and Wildfire Fire  
6. ClimateActionPlan |
| 5 | | Risks / Opportunities Assessment Continue – Metro | 1. Discussion of assigned material and topical information  
2. Presentations by student teams - Drought, Flood, Severe Storm and Wildfire Fire |
| 10 | | Mitigation approaches: | 1. Discussion of assigned material and topical information  
2. Millennium Documents and Video  
3. Natural Hazards UnNatural Disasters  
4. UW FEMA Project – Panarchy and resilience  
5. Safetevan Project  
6. Contingency Planning  
7. Capabilities Matrix |
| 12 | | Planning and zoning basics | 1. Discussion of assigned material and topical information  
2. Lecture / discussion of new material |
| 17 | | Presidents Day | |
| 19 | | HAZUS | Lecture on HAZUS |
| 24 | | Planning for uncertainty | Lecture on Snohomish Basin 2060 Scenarios, Adapting to an Uncertain Future:  
1. Snohomish Basin 2060 Scenarios, Adapting to an Uncertain Future  
2. Scenarios for Snohomish Basin 2060 |
| 26 | | Scenarios in context with Comp Plan | Student exercise  
1. Snohomish Basin 2060 Scenarios, Adapting to an Uncertain Future  
2. Scenarios for Snohomish Basin 2060 |
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<th>Capabilities:</th>
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<td>Mitigation in context: Hazards Mitigation Planning.</td>
<td>1. Discussion of assigned material and topical information</td>
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<tr>
<td>12</td>
<td>Open</td>
<td>1. Discussion of assigned material and topical information</td>
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</tbody>
</table>

**Readings**

1. Floodplain Management: A New Approach for a New Era (Freitag et al., Island Press, 2009)
7. CREW Scenarios and guides [www.crew.org]
10. Natural Hazards and UnNatural Disasters: The Economics of Effective Prevention World Bank, 2010
14. National Preparedness Goal
16. Building Resilience to Natural Disasters: A Framework for Private Sector Engagement
17. Green Book: Planning for Post-Disaster Recovery and Reconstruction, Jim Schwab (APA)