### Fall 2019
**MIT/WHOI Joint Program and Semester at WHOI Class Schedule**

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>SUBJECT TITLE</th>
<th>INSTRUCTOR</th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.69</td>
<td>Introduction to Coastal Engineering</td>
<td>M. Scully</td>
<td>1:00-2:30*</td>
<td>Clark 509 (VL)</td>
<td>MIT 48-308</td>
<td>1:00-2:30*</td>
<td>Clark 509 (VL)</td>
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<tr>
<td>1.76</td>
<td>Aquatic Chemistry</td>
<td>D. Plata</td>
<td>1:00-2:30</td>
<td>MIT 54-823 (VL)</td>
<td>Clark 271</td>
<td>1:00-2:30</td>
<td>MIT 54-823 (VL)</td>
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<tr>
<td>2.688</td>
<td>Principles of Oceanographic Instrument Systems</td>
<td>A. Michel, S. Laney, J. Bonnel, P. Traykovski, M. Jakuba</td>
<td>10:30-12:00</td>
<td>10:30-12 (Lecture)</td>
<td>Clark 331 (VL)</td>
<td>MIT 9-152</td>
<td>1:00-4:00 (Lab)</td>
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<tr>
<td>WH.452</td>
<td>12 Units/3 Credits</td>
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<tr>
<td>6.456</td>
<td>Adaptive Array Processing</td>
<td>E. Fischell, J. Bonnel</td>
<td>1:00-4:00 (Lab)</td>
<td>Smith Conf. Room</td>
<td>1:00-2:00 Office Hours</td>
<td>2:00-3:30 Lecture</td>
<td>Cl 271/MIT 54-823 (VL)</td>
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<tr>
<td>WH.412</td>
<td>Biophysical Interactions in Pelagic Ecosystems</td>
<td>J. Llopiz</td>
<td>4:00-5:30</td>
<td>Clark 271 (VL)</td>
<td>MIT 54-823</td>
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<td></td>
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<tr>
<td>12.702</td>
<td>Elements of Modern Oceanography</td>
<td>S. Laney, M. Andres</td>
<td>10:00-11:30</td>
<td>MIT 54-827 (VL)</td>
<td>Clark 271</td>
<td>10:00-11:30</td>
<td>MIT 54-823 (VL)</td>
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| 12.732 | Topics in Paleoclimatology | O. Marchal, A. Condron | | | | | |
| WH.404 | 9 Units/1.5 Credits | | | | | | |
| 12.710 | Geological Oceanography | D. Lizarralde, O. Marchal, A. Soule, L. Giosan | 2:30-4:00 | Clark 331 (VL) | MIT 54-827 | 2:30-4:00 | Clark 331 (VL) | MIT 54-827 |
| WH.421 | 12 Units/3 Credits | | | | | | |

| 12.739 | Marine Microbiology & Biogeochemistry | A. Apprill, S. Sievert, B. Chmiel, | 3:00-4:00 Recitation | Clark 331 (VL) | MIT 54-827 | 1:00-2:30 | Clark 271 (VL) | MIT 54-823 |
| WH.411 | 12 Units/3 Credits | P. C. Tepolt | 1:00-3:00 | Clark 271 (VL) | MIT 54-823 | 1:00-2:30 | Clark 271 (VL) | MIT 54-823 |

| 12.742 | Marine Chemistry | B. Van Mooy, L. Kujawinski-Behn, J. Dabrowski, | 10:30-12:00 | 10:30-12:00** | Clark 271 (VL) | 3:30-4:30 Recitation | MIT 54-827 | |
| WH.431 | 12 Units/3 Credits | TA | 10:30-12:00 | Clark 271 (VL) | MIT 54-823 | | |

| 12.756 | Environmental Bioinformatics | H. Alexander, M. Pachiadaki, C. Tepolt | 2:30-4:00 | Clark 271 (VL) | MIT 54-823 | 2:30-4:00 | 2:30-4:00 | |

| 12.800 | Fluid Dynamics of the Atmosphere & Ocean | C. Cenedese, A. Mahadevan, S. Benavides, | 10:30-12:00 Recitation | MIT 54-823 (VL) | Clark 331 | 11:30-1:00 | MIT 54-823 (VL) | Clark 271 |
| | 12 Units | H. Liu, TA | Clark 271 | MIT 54-823 | | | |

| 12.808 | Introduction to Observational Physical Oceanography | H. Seo, J. Toole, A. Pacini, | 1:00-2:30 | 1:00-2:30 | MIT 54-823 (VL) | Clark 331 | | |
| WH.441 | 12 Units/3 Credits | | | | | | |

| 12.860 | Climate Variability and Diagnostics | C. Ummenhofer, S. Ryan, | 10:30-12:00 | 10:30-12:00 | Clark 271 | | |
| WH.403 | 12 Units/3 Credits | TA | 10:30-12:00 | Clark 509 (VL)** | MIT 54-827 | | |

| WH.495 | Undergraduate Seminar in Ocean Science | S. Murty | | | | | 9:00-10:00 | Watson 201 |

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* 1.69 will meet in Fenno conference room on 10/10, 10/17, 10/24, and 10/29.
** 12.742 will meet from 10:45-12:15 on 10/24 and 11/21.
*** 12.860 will meet in Clark 145 (GTF) on 10/29.

VL = class available via video link at both MIT and WHOI. (Instructor teaches primarily from the first classroom listed.)