

# SD Mesa College Intro to Oceanography 101 Schedule – Fall 2024

<u>Week #/Days</u> and <u>Due Dates</u>	<u>Study Topics, Tests and Assignments</u>	<u>Homework Study Assignments</u> <a href="#">Oceanography 101</a> (MCO Text) <a href="#">Intro to Ocean Sciences</a> (IOS Text) <a href="#">Essentials of Oceanography</a> (EO Text) <a href="#">Endless Voyage Videos</a> (EV videos) <a href="#">Prof's PP Slides</a> : (PPP – Prof's Slides) <a href="#">Video Slide Tutorials</a> : (VSL – Tutorials)
<b>Week 1</b> 8/19 – 8/25	Course Introduction Importance of Studying the Ocean Brief History of Marine Science The Scientific Method Origin of Earth, Moon, Ocean, & Life	<b><u>Course Syllabus and Schedule</u></b> MCO Ch <a href="#">1</a> , <a href="#">2</a> and/or (IOS Ch <a href="#">1</a> , <a href="#">2</a> ; <a href="#">3</a> ; EO Ch <a href="#">1</a> ) EV Videos <a href="#">1</a> , <a href="#">2</a> PPP <a href="#">1</a> , <a href="#">2</a> VSL <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> , <a href="#">4</a> , <a href="#">5</a>
<b>Thur 8/22</b>	<b>Personal Intro to Class Assignment</b>	Submit by posting on Discussion Board
<b>Sun 8/25</b>	<b>Quiz 1</b> – Syllabus & Schedule	Course Syllabus and Schedule
<b>Week 2</b> 8/26 – 9/1	Geologic Time and Age of the Earth Earth's Layered Physiology Earth's Interior Continental Drift Hypothesis	MCO Ch <a href="#">3</a> , <a href="#">4</a> and/or (IOS Ch <a href="#">4</a> ; EO Ch <a href="#">2</a> ) EV Video <a href="#">3</a> , <a href="#">4</a> PPP <a href="#">3</a> , <a href="#">4</a> VSL <a href="#">8</a> , <a href="#">9</a> , <a href="#">10</a> , <a href="#">11</a> , <a href="#">12</a> , <a href="#">13</a> , <a href="#">14</a> , <a href="#">15</a>
<b>Friday 8/30</b>	<b>Last day to withdraw from class with NO "W"</b>	
<b>Week 3</b> 9/2 – 9/8	Plate Tectonic Theory Seafloor Spreading and Subduction Evidence for the Plate Tectonic Theory	MCO Ch <a href="#">3</a> , <a href="#">4</a> and/or (IOS Ch <a href="#">4</a> ; EO Ch <a href="#">2</a> ) EV Video <a href="#">3</a> , <a href="#">4</a> PPP <a href="#">3</a> , <a href="#">4</a> VSL <a href="#">8</a> , <a href="#">9</a> , <a href="#">10</a> , <a href="#">11</a> , <a href="#">12</a> , <a href="#">13</a> , <a href="#">14</a> , <a href="#">15</a>
<b>Week 4</b> 9/9 – 9/15	Methods of Studying the Seafloor Continental Margin Seafloor Deep-Ocean Basin Seafloor	MCO Ch <a href="#">5</a> and/or (IOS Ch <a href="#">3</a> ; EO Ch <a href="#">3</a> ) EV Videos <a href="#">5</a> PPP <a href="#">5</a> VSL <a href="#">16</a>
	Marine Sediments	MCO Ch <a href="#">6</a> and/or (IOS Ch <a href="#">6</a> ; EO Ch <a href="#">4</a> ) EV Videos <a href="#">6</a> PPP <a href="#">6</a> VSL <a href="#">17</a>
<b>Sun 9/15</b>	<b>Quiz 2</b> – Origins and Plate Tectonics	MCO Ch 1–4; IOS Ch 2-4; EO Ch1, 2
<b>Week 5</b> 9/16– 9/22	Physical Properties of Seawater Chemical Properties of Seawater Ocean Salinity	MCO Ch <a href="#">7</a> and/or (IOS Ch <a href="#">5</a> ; EO Ch <a href="#">5</a> ) EV Videos <a href="#">7</a> , <a href="#">8</a> PPP <a href="#">7</a> VSL <a href="#">18</a> , <a href="#">19</a> , <a href="#">20</a> , <a href="#">21</a> , <a href="#">22</a> , <a href="#">23</a> , <a href="#">24</a> , <a href="#">25</a> , <a href="#">26</a>
<b>Sun 9/22</b>	<b>Quiz 3</b> – Seafloors and Marine Sediments	MCO Ch 5, 6; IOS Ch 3-6; EO Ch 3, 4

<b>Week 6</b> 9/23 – 9/29	Atmospheric Properties, Processes & Circulation; Storm Systems, Weather Patterns and Climate	MCO Ch <a href="#">8</a> and/or (IOS Ch <a href="#">7</a> ; EO Ch <a href="#">6</a> ) EV Video <a href="#">10</a> PPP <a href="#">8</a> VSL <a href="#">27</a> , <a href="#">28</a> , <a href="#">29</a> , <a href="#">30</a> , <a href="#">31</a>
<b>Sun 9/29</b>	<b>Quiz 4 - Seawater Properties</b>	MCO Chapter 7; IOS Ch 5; EO Chapter 5
<b>Week 7</b> 9/30 - 10/6	Ocean Circulation Ocean surface currents and Gyres Upwelling and Downwelling Thermohaline Deep circulation El Nino and the Southern Oscillation (ENSO)	MCO Ch <a href="#">9</a> and/or (IOS Ch <a href="#">8</a> ; EO Ch <a href="#">7</a> ) EV Videos <a href="#">11</a> and <a href="#">12</a> PPP <a href="#">9</a> VSL <a href="#">32</a> , <a href="#">33</a> , <a href="#">34</a> , <a href="#">35</a>
<b>Week 8</b> 10/7 - 10/13	Study for Midterm Exam	Midterm Study Guide MCO Ch 7, 8; IOS Ch 7-8; EO Ch 6, 7
<b>Sun 10/13</b>	<b>Quiz 5 – Atmosphere and Ocean Circulation</b>	MCO Ch 7, 8; IOS Ch 7-8; EO Ch 6, 7
<b>Sun 10/13</b>	<b>Seafloor-Ocean-Atmosphere Topics Research and Discussion Forum Assignment</b>	<b>Submit Topic Responses and Post/Reply on Discussion Board</b>
<b>Week 9</b> 10/14 - 10/20	Ocean Waves – Causes and Dynamics Wind Waves - Origin and Behavior Breaking Waves – Surfing Origin and nature of Tsunamis	MCO Ch <a href="#">10</a> and/or (IOS Ch <a href="#">9</a> ; EO Ch <a href="#">9</a> ) EV Videos <a href="#">13</a> and <a href="#">14</a> PPP <a href="#">10</a> , <a href="#">11</a> VSL <a href="#">36</a> , <a href="#">37</a>
<b>Sun 10/20</b>	<b>Midterm Exam</b>	Midterm Study Guide MCO Ch 7, 8; IOS Ch 7-8; EO Ch 6, 7
<b>Week 10</b> 10/21 - 10/27	Origin and nature of Tides	MCO Ch <a href="#">11</a> and/or (IOS Ch <a href="#">10</a> ; EO Ch <a href="#">9</a> ) EV Video <a href="#">15</a> PPP <a href="#">12</a> VSL <a href="#">38</a> , <a href="#">39</a> , <a href="#">40</a>
<b>Fri 10/25</b>	<b>Administrative Deadlines</b>	<b>Last day to withdraw from class with NO “W”</b> <b>Last day to change grade to Pass/No Pass</b>
<b>Week 11</b> 10/28 - 11/3	Coasts, Beaches, and Shoreline Processes Human Influences on Coastal Environments	MCO Ch <a href="#">12</a> and/or (IOS Ch <a href="#">11</a> ; EO Ch <a href="#">10</a> ) EV Videos <a href="#">16</a> , <a href="#">17</a> PPP <a href="#">13</a> , <a href="#">14</a> VSL <a href="#">41</a> , <a href="#">42</a> , <a href="#">43</a> , <a href="#">44</a>
<b>Sun 11/3</b>	<b>Quiz 6 - Ocean Waves &amp; Tides</b>	MCO Ch 9, 10; IOS 9, 10; EO Ch 8, 9
<b>Week 12</b> 11/4 – 11/10	Marine Life - Physical Factors and Habitats Marine Life - Evolution & Classification Primary Productivity and Marine Food Webs Phytoplankton and Seaweeds Marine Zooplankton, Decomposers, and the Marine Biological Pump	MCO Ch <a href="#">13</a> and <a href="#">14</a> or (IOS Ch <a href="#">12</a> , <a href="#">13</a> ; EO Ch <a href="#">12</a> ) EV Videos <a href="#">18</a> , <a href="#">19</a> , <a href="#">20</a> PPP <a href="#">15</a> , <a href="#">16</a> , <a href="#">18</a> VSL <a href="#">45</a> , <a href="#">46</a> , <a href="#">47</a> , <a href="#">48</a> , <a href="#">47</a> , <a href="#">48</a> , <a href="#">49</a> , <a href="#">50</a> , <a href="#">51</a> , <a href="#">52</a> , <a href="#">53</a> , <a href="#">54</a> ,
<b>Sun 11/10</b>	<b>Quiz 7 - Shorelines and Coastal Waters</b>	MCO Ch 11; IOS Ch 11; EO Ch 11, 12;
<b>Sun 11/10</b>	<b>Ocean Waves and Coastlines Topics Research and Discussion Forum Assignment</b>	<b>Submit Topic Responses and Post/Reply on Discussion Board</b>

<b>Week 13</b> 11/11 - 11/17	Intro to Marine Communities Marine Invertebrates Marine Vertebrates Pelagic Marine Communities Benthic Marine Communities	MCO Ch <a href="#">15</a> , <a href="#">16</a> and/or (IOS Ch <a href="#">14</a> , <a href="#">15</a> ; EO Ch <a href="#">13</a> , <a href="#">14</a> , <a href="#">15</a> ) EV Videos <a href="#">21</a> , <a href="#">22</a> , and <a href="#">23</a> PPP <a href="#">16</a> , <a href="#">17</a> , <a href="#">19</a> , <a href="#">20</a> , <a href="#">21</a> VSL <a href="#">55</a> , <a href="#">56</a> , <a href="#">57</a>
<b>Sun 11/17</b>	<b>Quiz 8</b> - Marine Life I – Overview, Primary Productivity and Plankton	MCO Ch 12-14; IOS Ch 14-15; EO Ch13- 14
<b>Week 14</b> 11/18- 11/24	Marine Fisheries – Overview Fishing Practices – The Good, Bad, and the Ugly Fishing Concerns, Management, and Solutions Physical and Energy Marine Resources Resource Extraction Impacts on Marine Habitats	EV Video <a href="#">24</a> PPP <a href="#">22</a> VSL <a href="#">58</a> Special Reading and Video Selections: 1) <a href="#">Marine Ecosystems and Fisheries Report PDF</a> 2) <a href="#">"Troubled Waters" Fisheries Documentary</a> 3) <a href="#">"Overfishing: The Worst and Best Fish to Eat"</a>
<b>Sun 12/1</b>	<b>Quiz 9</b> - Marine Life II – Marine Animals, Marine Communities, and the Fisheries	MCO Ch 15,16; EO Ch 14,15
<b>Thanksgiving Week</b> 11/25 to 12/1	No Course Work	No Tests or Assignments
<b>Week 15</b> 12/2- 12/8	Marine Environmental Concerns – Coastal Pollution and Climate Change	MCO Ch <a href="#">17</a> or (IOS Ch <a href="#">16</a> ; EO Ch <a href="#">11</a> , <a href="#">16</a> ) EV Video <a href="#">25</a> PPP <a href="#">23</a> , <a href="#">24</a> VSL <a href="#">58</a> , <a href="#">59</a> , <a href="#">60</a>
<b>Sun 12/8</b>	<b>Birch Aquarium Fieldtrip Assignment</b>	See Birch Aquarium Fieldtrip Module
<b>Sun 12/8</b>	<b>Extra Credit due date</b>	Submit in Assignment Folder
<b>Finals Week</b> 12/9 - 12/15	Review/Study for Final Exam	Final Study Guide
<b>Fri 12/13</b>	<b>Quiz 10</b> - Marine Pollution & Climate Change	MCO Ch 17; IOS Ch 16; EO Ch 11,16
<b>Sun 12/15</b>	<b>Final Exam</b>	MCO Ch 10–17; IOS Ch 9-16; EO Ch 8-16

**Please Note:** This is a tentative schedule and may be changed by the instructor at any time during the semester. Students will be notified in a timely basis if changes are made.