

# **Introduction to Geology**      **Fall 2018**

## **Geology of Washington - Lectures**

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<b>Sept 20</b>	<b>Introduction</b>
<b>Sept 21</b>	<b>Relative Age Dating</b>
<b>Sept 24</b>	<b>Absolute Age Dating</b>
<b>Sept 25</b>	<b>Rocks of North America</b>
<b>Sept 27</b>	<b>Metamorphic Rocks</b>
<b>Oct 1</b>	<b>Yakima River Canyon</b>
<b>Oct 2</b>	<b>QUIZ #1 (13 pts) &amp; Glacial Till</b>
<b>Oct 4</b>	<b>Global Climate History</b>
<b>Oct 5</b>	<b>Alpine Glacial Landforms</b>
<b>Oct 8</b>	<b>Ice Age Floods Erosion</b>
<b>Oct 9</b>	<b>Ice Age Floods Deposition</b>
<b>Oct 15</b>	<b>TEST #1 (70 points)</b>
<b>Oct 16</b>	<b>Faults &amp; Folds</b>
<b>Oct 18</b>	<b>Earth Interior</b>
<b>Oct 19</b>	<b>Sea Floor Spreading</b>
<b>Oct 22</b>	<b>Plate Boundaries</b>
<b>Oct 25</b>	<b>QUIZ #2 (14 pts) &amp; Hot Spots</b>
<b>Oct 26</b>	<b>Magma &amp; Igneous Rocks</b>
<b>Oct 29</b>	<b>Volcanoes around the World</b>
<b>Oct 30</b>	<b>Nisqually Earthquake</b>
<b>Nov 1</b>	<b>Seattle Fault</b>
<b>Nov 2</b>	<b>Cascadia Earthquakes</b>
<b>Nov 5</b>	<b>Sumatra &amp; Japan Tsunami</b>
<b>Nov 6</b>	<b>TEST #2 (70 points)</b>
<b>Nov 8</b>	<b>Farallon Plate History</b>
<b>Nov 9</b>	<b>Columbia River Basalt field data</b>
<b>Nov 13</b>	<b>Columbia River Basalt interpretations</b>
<b>Nov 15</b>	<b>Cascade Range</b>
<b>Nov 16</b>	<b>St Helens &amp; Rainier</b>
<b>Nov 19</b>	<b>Olympic Peninsula</b>
<b>Nov 20</b>	<b>QUIZ #3 (13 pts) &amp; Mount Stuart</b>
<b>Nov 26</b>	<b>Exotic Terranes</b>
<b>Nov 27</b>	<b>Terranes in Washington</b>
<b>Nov 29</b>	<b>Liberty Gold</b>
<b>Nov 30</b>	<b>Ellensburg Blue Agates</b>
<b>Dec 4</b>	<b>TEST #3 (70 points) 8:00 am</b>