EXPANDED COURSE DESCRIPTION
EARTH, SPACE SCIENCE AND ENGINEERING
Lassonde School of Engineering
Earth and Space Science and Engineering
LE / ESSE 2030 3.0 SECTION M
GEOPHYSICS AND SPACE SCIENCE
FALL 2017 / WINTER 2018

Last Modified Date: 08/18/2017

COURSE CALENDAR DESCRIPTION

Seismic waves, earthquake fault plane solutions, tectonics on a sphere, geochronology, paleomagnetism, Earth’s magnetic field, its origin and deformation by solar winds. VLBI measurements of fluctuations of Earth rotation, gravitational perturbations of satellite orbits, planetary exploration and communications issues. Three lecture hours and a one-hour computer laboratory. One term. Three credits. Prerequisites: SC/MATH 1014 3.00; SC/PHYS 1800 3.00 and SC/PHYS 1801 3.00 or SC/PHYS 1010 6.00 or a minimum grade of C in SC/PHYS 1410 6.00. Prior to Summer 2014: SC/MATH 1014 3.00; SC/PHYS 1010 6.00, or a minimum grade of C in SC/PHYS 1410 6.00.

INSTRUCTOR(S)

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<thead>
<tr>
<th>Name</th>
<th>Section / Format / Term</th>
<th>Contact Email</th>
<th>Contact Phone</th>
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<tbody>
<tr>
<td>Moores, John Edward</td>
<td>Sec. M / LECT / W</td>
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