### Summary of Online Graduate Courses Offered Summer 2020

<table>
<thead>
<tr>
<th>Number</th>
<th>Course Name</th>
<th>Contact for details and to confirm availability</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Guelph:</strong> Bahram Gharabaghi <a href="mailto:bgharaba@uoguelph.ca">bgharaba@uoguelph.ca</a>, registration deadline May 15</td>
<td></td>
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</tr>
<tr>
<td>ENGG 6090 (9447)</td>
<td>Special Topics: Advanced Estimation Theory</td>
<td>Andrew Gadsen <a href="mailto:gadsden@uoguelph.ca">gadsden@uoguelph.ca</a></td>
<td>May 7</td>
</tr>
<tr>
<td>ENGG 6090 (9448)</td>
<td>Special Topics: Micro/Nano Biology</td>
<td>Huiyan Li <a href="mailto:huiyanli@uoguelph.ca">huiyanli@uoguelph.ca</a></td>
<td>May 7</td>
</tr>
<tr>
<td>ENGG 6090 (9449)</td>
<td>Special Topics: Numerical Methods for Engineers</td>
<td>Amin Komeili <a href="mailto:akomeili@uoguelph.ca">akomeili@uoguelph.ca</a></td>
<td>May 7</td>
</tr>
<tr>
<td>ENGG 6090 (0153)</td>
<td>Special Topics: Advanced Mechanics of Solids</td>
<td>Hari Simha <a href="mailto:csimha@uoguelph.ca">csimha@uoguelph.ca</a></td>
<td>May 7</td>
</tr>
<tr>
<td><strong>Laurentian:</strong> Krishna Challagulla <a href="mailto:kchallagulla@laurentian.ca">kchallagulla@laurentian.ca</a>, registration deadline May 8</td>
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<tr>
<td>ENGR 5396 EL 01</td>
<td>Mine Machinery Selection</td>
<td>Laura Brown <a href="mailto:lg_brown@laurentian.ca">lg_brown@laurentian.ca</a></td>
<td>May 4 - July 31</td>
</tr>
<tr>
<td>ENGR 5396 EL 02</td>
<td>Occupational Health &amp; Safety</td>
<td>Philip Dirige <a href="mailto:PhilipDirige@workplacesafetynorth.ca">PhilipDirige@workplacesafetynorth.ca</a></td>
<td>May 4 - July 31</td>
</tr>
<tr>
<td>ENGR 5396 EL 03</td>
<td>Digitization in Mining</td>
<td>Alexander Hutchison <a href="mailto:AX_Hutchison@laurentian.ca">AX_Hutchison@laurentian.ca</a></td>
<td>May 4 - July 31</td>
</tr>
<tr>
<td><strong>McMaster:</strong> Mike Thompson <a href="mailto:adeangse@mcmaster.ca">adeangse@mcmaster.ca</a>, registration deadline May 15</td>
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<tr>
<td>ECE 757</td>
<td>Numerical Techniques in Electromagnetics</td>
<td>Mohamed Bakr <a href="mailto:mbakr@mail.ece.mcmaster.ca">mbakr@mail.ece.mcmaster.ca</a></td>
<td>May 11 - Aug 24</td>
</tr>
<tr>
<td>ECE 744</td>
<td>System on a Chip (SOC) Design and Test: Part 1 Methods</td>
<td>Nicola Nicolici <a href="mailto:nicola@ece.mcmaster.ca">nicola@ece.mcmaster.ca</a></td>
<td>May 4 - Aug 7</td>
</tr>
<tr>
<td>ECE 729</td>
<td>Resource Management and Performance Analysis in Wireless Communication Networks</td>
<td>Dongmei Zhao <a href="mailto:dzhao@mail.ece.mcmaster.ca">dzhao@mail.ece.mcmaster.ca</a></td>
<td>May 15 - July 31</td>
</tr>
<tr>
<td>SEP 725</td>
<td>Practical Project Management for Today's Business Environment</td>
<td>Mikhail Hanna <a href="mailto:mhanna@mcmaster.ca">mhanna@mcmaster.ca</a></td>
<td>May 4</td>
</tr>
<tr>
<td>CHEM ENG 720</td>
<td>Lean Six Sigma for Engineers</td>
<td>Guerino Sacripante <a href="mailto:sacripag@mcmaster.ca">sacripag@mcmaster.ca</a></td>
<td>May 4</td>
</tr>
<tr>
<td>CHEM ENG 765</td>
<td>Multivariate Statistical Methods for Big Data Analysis and Process Improvement</td>
<td>Brandon Corbett <a href="mailto:corbeb@mcmaster.ca">corbeb@mcmaster.ca</a></td>
<td>May 4</td>
</tr>
<tr>
<td>Ontario Tech: Scott Nokleby <a href="mailto:Scott.Nokleby@uoit.ca">Scott.Nokleby@uoit.ca</a>, registration deadline, varies by course</td>
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<tr>
<td><strong>ENGR 5005G</strong></td>
<td>Special Topics: Sustainable Design &amp; Manufacturing</td>
<td>Sayyed Ali Hosseini <a href="mailto:SayyedAli.Hosseini@uoit.ca">SayyedAli.Hosseini@uoit.ca</a></td>
<td>May 4 - June 15 (Registration deadline: May 8, 2020)</td>
</tr>
<tr>
<td><strong>EDGR 5005G</strong></td>
<td>Special Topics: Advanced Fluid Power</td>
<td>Jaho Seo <a href="mailto:Jaho.Seo@uoit.ca">Jaho.Seo@uoit.ca</a></td>
<td>June 22 - Aug 3 (Registration deadline: June 26, 2020)</td>
</tr>
<tr>
<td><strong>ENGR 5005G</strong></td>
<td>Special Topics: Data Visualization</td>
<td>Shahryar Rahnamayan <a href="mailto:Shahryar.Rahnamayan@uoit.ca">Shahryar.Rahnamayan@uoit.ca</a></td>
<td>May 4 - June 15 (Registration deadline: May 8, 2020)</td>
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<thead>
<tr>
<th>Queen’s: Brian Surgenor <a href="mailto:surgenor@queensu.ca">surgenor@queensu.ca</a>, registration deadline May 15</th>
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<tr>
<td><strong>BWRC 803</strong></td>
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<td><strong>BWRC 804</strong></td>
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<thead>
<tr>
<th>Ryerson: Miljana Horvat <a href="mailto:mhorvat@ryerson.ca">mhorvat@ryerson.ca</a>, registration deadline see website</th>
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<tr>
<td><a href="https://www.ryerson.ca/engineering-architectural-science/programs/graduate/course-electives/">https://www.ryerson.ca/engineering-architectural-science/programs/graduate/course-electives/</a></td>
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<tr>
<th>Toronto: Julie Audet <a href="mailto:julie.audet@utoronto.ca">julie.audet@utoronto.ca</a>, registration deadline see website</th>
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<tr>
<td><a href="https://gradstudies.engineering.utoronto.ca/professional-degrees/elite-emphasis/">https://gradstudies.engineering.utoronto.ca/professional-degrees/elite-emphasis/</a></td>
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<tr>
<th>Waterloo: Siva Sivoththaman <a href="mailto:sivoththaman@uwaterloo.ca">sivoththaman@uwaterloo.ca</a>, registration deadline see website</th>
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<tbody>
<tr>
<td><a href="http://www.adm.uwaterloo.ca/infocour/CIR/SA/grad.html">http://www.adm.uwaterloo.ca/infocour/CIR/SA/grad.html</a></td>
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<thead>
<tr>
<th>Western: Kamran Siddiqui <a href="mailto:ksiddiq@uwo.ca">ksiddiq@uwo.ca</a>, registration deadline May 15</th>
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<tr>
<td><strong>CBE 9550L</strong></td>
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<td><strong>CBE 9552L</strong></td>
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<td><strong>CEE 9675L</strong></td>
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<td><strong>CEE 9704L</strong></td>
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<td><strong>MME 9612L</strong></td>
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