

| Course name  | Course code | Teacher   | Textbook(s) or topics |
|--|-------------|---|-----------------------|
| <b>2017-2018 academic year, University of Toronto, senior year</b>               |             |   |                       |
| Laser Spectroscopy and Photophysics  | CHM1482H1F  | Mark Wilson, Gilbert Walker                         | Mark Fox              |
| Applications of Quantum Mechanics  | CHM423H1F   | Paul Brumer   | Liboff; Tannor        |
| Electromagnetic Theory   | PHY350H1F   | Erich Poppitz                                       | Griffins              |
| Quantum mechanics II   | PHY456H1F   | Yong Baek Kim                                       | Shankar               |
| Introduction to Chemistry Research   | CHM499Y1Y   | Jeremy Schofield                                    | Protein dynamics      |
| Current Interpretations of Quantum Mechanics                                     | PHY491H1S   | John Sipe   | Unpublished text      |
| Physical Methods in Inorganic Chemistry  | CHM1266H1S  | D.Stephan, U.Fekl, B.Morris, G.Ozin, Kraatz, D.Song | -                     |
| <b>2016-2017 academic year, University of Toronto, junior year</b>               |             |   |                       |
| Quantum Mechanics & Spectroscopy   | CHM326H1F   | Mark Wilson   | Levine                |
| Modern Physical Chemistry (statistical mechanics)                                | CHM328H1S   | Jeremy Schofield                                    | Levine                |
| Physical Chemistry Lab   | CHM327H1F   | Cynthia Goh   | Project               |
| Physical Organic Chemistry   | CHM443H1S   | Mark Taylor   | -                     |
| Intermediate Inorganic Chemistry   | CHM338H1F   | Doug Stephan  | Housecroft            |
| Organic Synthesis  | CHM342H1F   | Robert Batey  | -                     |
| Materials Chemistry (Polymers and Solid state)                                   | CHM325H1S   | Geoffrey Ozin, Eugenia Kumacheva                    | Coleman & Painter     |
| Proteins   | BCH340H1S   | Watts, Chan, Chakrabartty                           | -                     |
| Pharmaceutics 1  | PHC230H1S   | Macgregor, Wu, Chalikian                            | -                     |
| Modern Symbolic Logic  | PHL245H1S   | Alex Koo  | -                     |
| Organic Reaction Mechanisms  | CHM348H1S   | Ronald Kluger                                       | Carey & Sandberg      |
| Probability & Inductive Logic  | PHL246H1F   | Franz Huber   | -                     |
| <b>2015-2016 academic year, University of Toronto, sophomore year</b>            |             |   |                       |
| Introductory Physical Chemistry  | CHM222H1F   | Ray Kapral  | Levine                |
| Physical Chemistry Molecular Viewpoint (Introductory quantum)                    | CHM223H1S   | Dvira Segal   | Levine                |
| Multivariable Calculus   | MAT235Y1Y   | Michael Pawliuk                                     | Stewart               |
| Linear algebra   | MAT222H1F   | Sean Uppal  |                       |
| Introductory Inorganic Chemistry   | CHM238Y1Y   | McIntosh, Stephan, Song                             | Housecroft            |
| Introductory Analytical Chemistry  | CHM217H1F   | David Stone   | Skoog                 |
| Introductory Instrumental Analysis   | CHM317H1S   | Rebecca Jockusch                                    | Skoog                 |
| Biochemistry I   | BCH210H1S   | Reithmeier, Andropoulos                             | Garrett               |
| Organic Chemistry  | CHM249H1S   | Mark Lautens, Andrei Yudin                          | -                     |
| <b>2014-2015 academic year, University of Toronto Mississauga, freshman year</b> |             |   |                       |
| Chemical Principles 1  | CHM110H5F   | Judith Poe  | Zumdahl               |
| Chemical Principles 2  | CHM120H5S   | Judith Poe  | Zumdahl               |
| Calculus   | MAT135Y5Y   | Elio Mazzeo   | Stewart               |
| Introductory Physics I   | PHY156H5F   | Wagih Ghobriel                                      | Sears & Zemansky      |
| Introductory Physics II  | PHY157H5S   | Wagih Ghobriel                                      | Sears & Zemansky      |
| Introductory Organic Chemistry I   | CHM138H1F   | Nick Morra  | McMurry               |