

Principia Guide for faculty advisors and students attending the University of Glasgow

General Guidelines:

Students may enroll for up to 80 Scotcat credits (or 20 U. S. credits). The conversion ratio is 4 Scotcat units equals 1 credit hour in the U. S.

A typical load is 60 Scotcat units or 15 U.S. semester hours.

All Principia students must enroll in and complete the Scottish Enlightenment course.

Some University of Glasgow courses listed in the undergraduate catalogue indicate “Full Session.” That means the course will run for the entire year. PLEASE NOTE, MOST “Full Session” courses MAY BE TAKEN FOR ONE Semester (in semester 1) FOR HALF THE HOURS LISTED. A “Full Session” course listed for 20 Scotcat units can be taken for one term of 10 Scotcat units or 3 semester hours credit in the U.S.

For Natural Science Majors and Pre-Med

Faculty in the Biological and Medical Science as well as Faculty in Chemistry and Physics have worked with the Principia Consortium faculty to create special sections of a few courses typically taken during the second or third year by American science or pre-med students so that they more closely resemble the content of courses in the American system. Those courses are described next.

FOR BIOCHEMISTRY I AND II:

Univ. of Glasgow *Molecules of Life 2 (3C) MJVV* is equivalent to Biochemistry I. This course is worth 15 Scotcat units or 4 hours of U.S. Semester credit.

PLEASE NOTE: Faculty in the Biological and Medical Sciences at the University of Glasgow have added special tutorials to cover topics typical of American Biochemistry I. See detailed outline listed below for biology.

For Biochemistry II (typical second semester course in U. S.) students enroll in the second half (spring term) of *Molecules of Life 2 (3C)MJVV*. Again subject matter topics in this course are typical of those in U.S. The second half of *Molecules of Life* has 40 hours of Laboratory work attached. This course is worth 15 Scotcat units or 4 hours semester hours in U.S. See detailed outline attached separately.

FOR ORGANIC CHEMISTRY I AND II:

The Chemistry Department and Professor Bob Hill, (Professor of Learning, Teaching & Assessment), have created courses that cover the topics typically present in the American Organic Chemistry I and II and have structured laboratory hours such that these courses would satisfy ACS certification. Organic Chemistry I is offered in the fall term for 20 Scotcat units (5 American credit hours). Organic Chemistry II is offered during the spring term for 20 Scotcat units (5 American credit hours). A detailed description of both courses can be found in the Chemistry links on this web page.

Physics

Physics I LXWU and Physics I (half) NEWU both assume that a student has had a substantial course in Physics in high school and is ready for a calculus based curriculum in these courses. Pre-Med students may use this course to satisfy the pre-med requirement for a course in Physics but should note carefully the prerequisite of high school physics and calculus.

Dr Eric Yao of the Physics department is developing an algebra based Physics I and II course for Principia students that will be similar to U. S. courses for non- Physics majors. Once developed, these course will apply for the Physics requirements for pre-Med students.

Human Anatomy

Dr Quentin Fogg has developed a course in human anatomy specifically for American students who are pre-med or pre-dental. The course has extensive laboratory work using cadavers for gross anatomy theory and analysis. A detailed description is available on the Principia web page on the International Studies web site at the University of Glasgow.

All Other Majors

For all other majors, consult the undergraduate catalogue at Principia web page. Here is a link: <http://www.gla.ac.uk/coursecatalogue/>

