

STUDY PHYSICS ABROAD  
JUNIOR YEAR AT LUND UNIVERSITY



Founded in 1666, Lund University is located in the friendly city of Lund in southern Sweden. The closest international airport is Copenhagen airport, about 30 minutes train ride from Lund. Surrounded by greenery and home to an impressive 12<sup>th</sup> century cathedral, the city of Lund dating back to 990 A.D. is compact, making it easy to explore the cobbled streets by foot or bicycle. Lund is a popular destination for international exchange students. Although not an English speaking country, English is spoken by a large population, allowing ease of communication.

The department of Physics has a strong research effort including in applied Physics areas such as Combustion Physics. The department offers a large number of courses, which includes electives not offered at UCSB Physics, which you may want to explore. As with core courses, advance academic planning is recommended in order to meet the pre-requisites for the electives. The academic year at Lund university consists of two semesters divided into four “Study Periods” (referenced as SP1 through SP4 in the below tables).

For a semester abroad, it is recommended that you study abroad during the Fall quarter of the Junior year. This allows you to return for Winter quarter at UCSB to continue with the “B” part of multi-part courses required for the B.S. such as Phys 115 and Phys 110.

If you plan to study at Lund during Fall, be aware that the final exams for Fall semester at Lund are in January after the winter break. Physics instructors for core courses are typically willing to administer an “early-exit” final exam in December for international exchange students, however, it is your responsibility to confirm that individual instructors teaching the courses you plan to take while studying abroad are willing to provide the early-exit final exam option.

It is highly recommended that you take certain Junior year courses during the Sophomore year, in preparation for Study Abroad at Lund during Junior year. In particular, it is recommended that you complete Phys 103 during the Sophomore year or during the summer prior to departure for study abroad. In addition, if you plan on taking the elective course Phys 102, as preparation for the study of Quantum Mechanics, it is recommended that you take this course during the Fall of Sophomore year.

If you plan to spend the entire Junior year at Lund, you may either take Phys 101 during the Winter of Sophomore year or plan to take it during your Senior year. If you are very well-prepared and have already taken Phys 102, you can try to take the Advanced Level Lund course FYTN01 (see below).

Below you will find the course equivalencies between Lund university Physics program and the UCSB Physics core courses. These are pre-approved and will be accepted by the department towards meeting Physics B.S. degree requirements. (The pre-approval of the course marked with \*\*\* is subject to verification of the syllabus.)

## Pre-approved course equivalencies

### SEMESTER 1 (Autumn Semester) at Lund University (28 August – 14 January)

Partner Institution/Country	Subject area	EAP course year	Semester	Partner University course title	UCSB units	Partner University course number	Pre-approved UCSB Equivalent
Lund University, Sweden	CORE	4 <sup>th</sup> year	Fall SP1	Mathematical Methods of Physics	6	FYTN01	Phys 101
	CORE	2 <sup>nd</sup> year	Fall SP2	Basic Quantum Mechanics	6	FYSB11	Phys 115A
	CORE	2 <sup>nd</sup> year	Fall SP2	Basic Statistical Mechanics and Quantum Statistics	6	FYSB12	Phys 119A
	CORE	2 <sup>nd</sup> year	Fall SP1	Electromagnetism	6	FYTB13	Phys 110A
	CORE	3 <sup>rd</sup> year	Fall SP1	Quantum Mechanics	6	FYSN17	Phys 115B

### SEMESTER 2 (Spring Semester) at Lund University (15 January – 3 June)

Partner Institution/Country	Subject area	EAP course year	Semester	Partner University course title	UCSB units	Partner University course number	Pre-approved UCSB Equivalent
Lund University, Sweden	CORE	2 <sup>nd</sup> year	Spring SP3	Classical Mechanics and Special Relativity	6	FYTB14***	Phys 104

## Course Catalog

The complete Physics course offerings at Lund, including many interesting electives not offered at UCSB, for academic year 2016-2017 is found in these pages.

Basic level courses: <http://www.fysik.lu.se/index.php?id=131038>

Advanced level courses: <http://www.fysik.lu.se/english/education/courses/advanced-level/>

## Class Timetable

Please note that the year at Lund is divided into 4 Study Periods. Fall Semester has Study Periods 1 and 2. Spring Semester has Study Periods 3 and 4. The Study Period in which a specific course is offered can be found in the above links for the course catalog.