
Undergraduate Course Descriptions

Waterloo

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Course Description Information

As shown in the sample course description, the first line of the course description contains the subject code, course number, type of instruction, and unit weight.

Course description information in the Undergraduate Calendar is updated after each Senate Undergraduate Council meeting. The official up-to-date course descriptions, including requisites, appear in Quest and the online Undergraduate Calendar.

The University reserves the right to require a student to withdraw from a course or courses for academic or other reasons.

The Senate and Board of Governors of the University of Waterloo reserve the right to invoke changes in this online Undergraduate Calendar at any time without prior notice.

Sample Course Description

<i>Course</i>	<i>Type of instruction</i>	<i>Unit weight (See Note below)</i>
ECE 205	LEC, TUT	0.50

Course Name

Advanced Calculus 1 for Electrical and Computer Engineers

Course Description

Fourier series. Ordinary differential equations. Laplace transform. Applications to linear electrical systems.

Additional information about course requirements

[Offered: F,W]

Prereq: 2A Electrical Engineering or Computer Engineering
(Cross-listed with MATH 211)

Note

For term courses with weights other than 0.50, students should consult their Faculty Advisor regarding how such courses are counted for credit in their particular plan.

Terminology

Terms Offered

Abbreviation	Description
F	Fall term
S	Spring term (See Note 2, below)
W	Winter term
J	Summer, first half; August
A	Summer, second half; August
M	Summer, both terms; July, August

Type of Instruction

Abbreviation	Description
CLN	Clinic
DIS	Discussion
ENS	Ensemble
ESS	Essay
FLD	Field Study
LAB	Laboratory
LEC	Lecture

Abbreviation	Description
ORL	Oral Conversation
PRA	Practicum
PRJ	Project
RDG	Reading
SEM	Seminar
STU	Studio
TLC	Test/Lecture
TST	Test
TUT	Tutorial
WRK	Work Term
WSP	Workshop

Notes

1. For term courses with weights other than 0.50, students should consult their Faculty Advisor regarding how such courses are counted for credit in their particular plan.
2. For purposes of course selection, courses designated "S" (Spring) in the Course Descriptions listings are normally those offered in the Spring term of the year following the Fall and Winter terms of the particular academic year.
3. Some courses are "Also offered online."
Details about Waterloo's online courses are available from the Centre for Extended Learning. For information, visit cel.uwaterloo.ca; email ExtendedLearning@uwaterloo.ca; or call 519-888-4050.

Course Abbreviations

Course Abbreviation	Course Name
ACTSC	Actuarial Science
AFM	Accounting & Financial Management
AHS	Applied Health Sciences
ANTH	Anthropology
AMATH	Applied Mathematics
APPLS	Applied Language Studies
ARBUS	Arts and Business
ARCH	Architecture
ARTS	Arts
AVIA	Aviation
BIOL	Biology
BUS	Business (Wilfrid Laurier University)
CHE	Chemical Engineering
CHEM	Chemistry
CHINA	Chinese
CIVE	Civil Engineering
CLAS	Classical Studies
CM	Computational Mathematics
CMW	Church Music and Worship
CO	Combinatorics and Optimization
COMM	Commerce
COOP	Co-operative Work Term
CROAT	Croatian
CS	Computer Science
DAC	Digital Arts Communication
DRAMA	Drama

Course Abbreviation	Course Name
DUTCH	Dutch
EARTH	Earth Sciences
EASIA	East Asian
ECE	Electrical and Computer Engineering
ECON	Economics
ENBUS	Environment and Business
ENGL	English
ENVE	Environmental Engineering
ENVS	Environmental Studies
ERS	Environment and Resource Studies
ESL	English as a Second Language
FINE	Fine Arts
FR	French Studies/Études Françaises
GBDA	Global Business and Digital Arts
GENE	General Engineering
GEOE	Geological Engineering
GEOG	Geography and Environmental Management
GER	German
GERON	Gerontology
GRK	Greek
HIST	History
HLTH	Health Studies
HRM	Human Resources Management
HUMSC	Human Sciences
INDEV	International Development
INTEG	Knowledge Integration
INTST	International Studies
INTTS	International Trade
IS	Independent Studies
ITAL	Italian
ITALST	Italian Studies
JAPAN	Japanese
JS	Jewish Studies
KIN	Kinesiology
KOREA	Korean
LAT	Latin
LS	Legal Studies
MATBUS	Mathematical Business
MATH	Mathematics
ME	Mechanical Engineering
MEDVL	Medieval Studies
MNS	Materials and Nano-Sciences
MSCI	Management Sciences
MTHEL	Mathematics Electives
MTE	Mechatronics Engineering
MUSIC	Music
NATST	Native Studies
NE	Nanotechnology Engineering
OPTOM	Optometry
PACS	Peace and Conflict Studies
PD	Professional Development
PDENG	Professional Development for Engineering Students

Course Abbreviation	Course Name
PDPHRM	Professional Development for Pharmacy Students
PHARM	Pharmacy
PHIL	Philosophy
PHYS	Physics
PLAN	Planning
PMATH	Pure Mathematics
POLSH	Polish
PORT	Portuguese
PSCI	Political Science
PSYCH	Psychology
REC	Recreation and Leisure Studies
REES	Russian and East European Studies
RS	Religious Studies
RUSS	Russian
SCBUS	Science and Business
SCI	Science
SDS	Social Development Studies
SE	Software Engineering
SI	Studies in Islam
SMF	Sexuality, Marriage, and Family Studies
SOC	Sociology
SOCWK	Social Work (Social Development Studies)
SPAN	Spanish
SPCOM	Speech Communication
SPD	Spirituality and Personal Development
STAT	Statistics
STV	Society, Technology and Values
SWREN	Social Work (Bachelor of Social Work)
SYDE	Systems Design Engineering
VCULT	Visual Culture
WKRPT	Work-term Report
WS	Women's Studies