

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
ATSC 113: Applied Meteorology (Weather for Sailing, Flying and Snow Sports)	Mostly Wiemanized in-class interactions, with much of the content online	Required Knowledge of either sailing, flying, or snow sports (skiing, snow boarding, etc)	Excel spreadsheets for grades. UBC Connect. Modify & update existing web page.	some mini-lectures, class interaction, office hours, scantron marking, grading of assignments	tbd	4.5 hrs a week	Winter
ATSC 201: Meteorology of Storms	Classroom	General meteorology/Atmos. Sci. (atmospheric thermodynamics, dynamics, and physics).	Be experienced with Excel spreadsheets.	Marking	Supervise a team of undergrad markers. Maintain a grade sheet in Excel. Mark exams and occasional make-up assignments. Occasionally run audio/visual equip in class. Answer email questions, and hold office hours as needed.	6 hrs a week	Fall
ATSC 212: Earth and Atmospheric Science Introductory Computing Laboratory	Classroom	Computer programming and a background in EOSC or ATSC.	Computer programming (Unix, html authoring, perl scripting, fortran, c, mysql data base).	Lab work, marking	Mark weekly computing assignments submitted online. Write scripts to manage submissions from students. Participate in each lab, answering questions. Hold office hours as needed, and answer email queries. Help keep the computers running. Help set up projection equip in the computer lab.	3 hrs a week	Winter
ATSC 404: Dynamic Meteorology	Classroom	Atmospheric science, fluid dynamics	MATLAB	Marking	Mark homework Invigilate exams	1.5 hrs a week	Winter
ATSC 405: Cloud Physics and Chemistry	Classroom	Thermodynamics Someone with a physics thermodynamics course but no ATSC experience could do this.	MATLAB or python	Lab, lecturing	Assist students with matlab coding problems during drop in labs Mark some written assignments Write short matlab examples with documentation	1.5 hrs a week	Winter
ATSC 409: Numerical Techniques for Ocean, Atmosphere and Earth Scientists	Classroom	Numerical methods Best to have a student that has done the course or the grad version of the course (EOSC 511/ATSC 506)	matlab, octave or python	Lab Work	Preparation of web-based material... throughout term... fairly flexible	1.5 hrs a week	Fall
ATSC 414/EOSC 477 Geophysical Fluid Dynamics	Classroom	Basic TA skills plus wet laboratory experience. If possible, knowledge of GFD	none	Set up Class Demonstrations, Help with Connect	Set up and clean up small fluid dynamics experiments for class. Scan marked group tests, upload materials to Connect, keep track of marks for assignments, photocopy	1.5 hrs a week	Winter every second year
ENVR 410: Energy, Environment, and Society	Classroom	The TA for ENVR 410 is required to have specialized knowledge regarding energy systems. First and foremost they must have a solid grounding in energy basics (sources of energy, basic characteristics of different energy conversion technologies, etc.). Second, they must have some familiarity with engineering economics (discounting, capital versus operating costs, etc.). Third, a background that includes energy modelling or calculations involving energy systems would be a major asset. Finally, familiarity with current energy issues and topics would be helpful as they will be reviewing students writing on a wide range of energy topics.		The TA is primarily responsible for following and moderating the student's discussions of current energy topics on the course blog plus some grading.	The TA is primarily responsible for following and moderating the student's discussions of current energy topics on the course blog plus some grading. The assignments that the TA is required to grade include an energy modelling exercise and personal carbon calculation. To do so, they need to be able to comment on the validity of the student's calculations and, importantly, their underlying assumptions. A TA without the requisite background specifically in energy will have difficulty doing so even if they can check whether a particular calculation is numerically correct.	4 hrs/wk	Winter
EOSC 110: The Solid Earth: A Dynamic Planet	Classroom	Geology Geophysics 1st year level knowledge in broad range of topics Good written and spoken English		Student Contact and marking	A TA might do 1-2 lectures for if instructor out of town Marking is done around midterm and for final exam Test preparation is at midterm and for final exam Photocopying Attending lectures and assisting with in-class exercises Office hours (answering student questions; holding exam review sessions, going over exam results with students, etc)	12 hrs a week	Fall & Winter
EOSC 111: Laboratory Exploration of Planet Earth	Classroom	Grad students in any EOSC discipline could TA. It is helpful if I get TAs from a variety of disciplines. It's most important in this course that the TAs be interested in teaching and in developing their teaching skills. This means they have an interest in interacting with undergraduate students, and are committed to good teaching. This can be a good experience for their future careers.		Lab, marking	Lab preparation. Learn lab activities ahead of time. Gather/put away supplies. Attend training sessions. Conduct labs with up to 25 undergrad students. Mark labs. Enter marks for labs and quizzes.	27 hrs a week	Fall & Winter
EOSC 112: The Fluid Earth: Atmosphere and Ocean	Classroom	Biological oceanography Chemical oceanography Ocean/atmosphere circulation paleoceanography climate		Marking	Office hours to help students with the material and marking	12 hrs a week	Fall & Winter
EOSC 114: Catastrophic Earth	Classroom	This is a first year course so general ocean science and general earth science knowledge is required. We seek TAs with any of the following specialties, but are happy to take anyone who is friendly and works hard: -Atmospheric Science (Storms), -Oceanography (Tsunami & other waves) -Geology (Volcanoes), -Geophysics (Earthquakes), -Geological Engr (Landslides) -Paleontology (Mass extinctions)		Marking and Student Contact	Intro TA meeting, 1 hr x # of TAs Final exam invigilation, 3 hr x # of TAs Head TA (supervises all other TAs), 40 h Organize Make-up exams, 13 h Invigilate Make-up exams, 5 h Compile exam Qs from instructors, 15 h Test-proofing meetings, 39 h Photocopy exams, 7 h Create Scantron answer keys, 4.5 h Midterm exam invigilation, 24 h Run Exams thru Scantron, 3 h Alphabetize Scantron sheets and fix smudged Scantrons, 20 h Edit Scantron files to calculate student marks, 7 h Monitor online Discussion Boards on Vista, 65 h Monitor PeerWise online questions, 30 h Help with a field trip, 27 h Hold office hours in ECAC, 225 h	30 hrs a week	Fall & Winter

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
EOSC 114: Catastrophic Earth DE	Distance Education	This is a first year course so general ocean science and general earth science knowledge is required.		Marking and Student Contact	Answering questions from students on discussion board Leading discussions on board Marking graded discussion	TBA	Fall & Winter
EOSC 116: Dinosaurs' Earth	Classroom	Basic Geology. Some paleontology background (eg a undergrad course) would be useful but not essential.		Marking and student contact	Attend class (this is divided up into modules so the TA's would not be attending the whole course) Marking	15 hrs a week	Winter
EOSC 116: Dinosaurs' Earth DE	Distance Education	Basic Geology Some paleontology background (eg a undergrad course) would be useful but not essential.		Marking and student contact	Answer student questions from on line bulletin board Attend 2 1 hour labs, operate scantron for mid term / final and collate grades, mark labs	TBA	Fall & Winter
EOSC 118: Earth's Treasures: Gold and Gems DE	Distance Education	Geology and mineralogy are the most useful for this course, however, being a first year survey course the TA would only really need the basic geological background.	Familiarity of computers and online learning environments is useful, but not a prerequisite.	Lecturing, marking	Final exam marking (multiple choice) Discussion Board postings and replies Continued development of glossary and question database	TBA	Fall & Winter
EOSC 210: Earth Science for Engineers	Classroom	Good knowledge of Geology, Geological engineering, Hydrogeology		Labs, marking	Providing instructions for weekly labs, and answering student questions. Grading of weekly labs. Grading of rock & mineral quiz. Invigilate exams. Assist with grading of final exams.	36 hrs a week	Fall
EOSC 211: Computer Methods in Earth, Ocean and Atmospheric Sciences	Classroom	Any discipline but needs to have knowledge of MATLAB	Solid MATLAB programmer	Lab Work, marking	Proof-read labs and assignments (1 per week) weekly labs: three 2-hour labs Attend weekly labs 2 office hours per week Mark assignments, mini quizzes midterm, final	18 hrs a week	Fall
EOSC 212: Topics in the Earth and Planetary Sciences	Classroom	reading scientific papers... broad scientific interests (this is key) EXCELLENT WRITER		Marking	Marking throughout term. quizzes, abstracts, projects	6 hrs a week	Fall
EOSC 220: Introductory Mineralogy	Classroom	chemistry, mineralogy, petrology, crystallography		Lab, marking	Instruct labs. Mark quizzes. Work with students hands-on. Meet weekly with other TA's	25.5 hrs a week	Fall
EOSC 221: Introductory Petrology	Classroom	petrology optical mineralogy sedimentology or metamorphic petrology or igneous petrology Must be able to work on a petrographic polarizing microscope		Labs and Marking	Administer Labs Mark Labs Mark theoretical quizzes and exams	36 hours per week	Winter
EOSC 222: Geological Time and Stratigraphy	Classroom	Paleontology Sedimentary geology		Lab, marking	Prepare lab materials (hand outs, samples) Put materials away properly. Supervise labs Grade labs Help collate final grades Assist in grading mid-term and final	10.5 hours a week	Winter
EOSC 223: Field Techniques	Classroom	Field geology geologic mapping also petrology, mineralogy, basic structural geology, geomorphology valid drivers license (for at least some of the TAs during term 2). Basic algebra and trigonometry TAs must have field mapping experience as well as be calculus, physics		Field work, lab, lecturing, marking	Teach labs - geologic map interpretation, brunton compass techniques, cross section construction, etc. Mark labs Co-teach field mapping trips mark field projects lecture TA Help with grading, creating lecture and lab exams. Photocopying. Lectures on oc	13.5 hrs a week	Winter
EOSC 250: Fields and Fluxes	Classroom			Marking	Mostly marking	3 hrs a week	Winter
EOSC 270: Marine Ecosystems	Classroom	Fundamentals of Marine Biology Marine Ecology or Biological oceanography	excel only and connect	Field work marking	The TAs have to assist the students in doing a roughly half-day field work in the rocky intertidal to gather data for assignment 1. Since the class is big (usually >50), the TAs have to go on different days to be able to help more students. Marking tasks are for the two assignments in the course, and for the midterm and the final exams (4 marking tasks in all). TAs also have to invigilate both midterm and final exams, as well as help in the reproduction of exam materials, if needed.	6 hrs a week	Winter
EOSC 310: The Earth and the Solar System Winter DE	Distance Education	Tectonics-related student would be most ideal Planetary Science or Climate related student #2 choice		Student Contact, marking	The course isn't a marking-heavy TA, but is a discussion/writing heavy TAship. So, breadth of knowledge and written communication skills are the key, not technical ability.		Fall & Winter
EOSC 312: The Earth System and Environmental Evolution	Classroom	sustainability, self-organizing complexity, community service learning		Field work, lecturing, marking	Coordinate community service learning project, linking UBC students with a local elementary school.	6 hrs a week	Fall

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
EOSC 314: The Ocean Environment	Classroom	introductory level physical oceanography, introductory level chemical oceanography, basics of atmospheric circulation. Probably any student in oceanography or atmospheric science could handle the material as it is designed for non-science students. At least one of the TAs needs a very good command of English in order to assess the quality of student term papers.		Marking	Students mark the mid-term exam given an explicit answer key. They also mark students term papers (max 10 pages each). TAs are given guidelines for marking papers and the instructors mark about 5 - 10 papers simultaneously with the TAs to 'calibrate' their marking. The typical assignment is that one TA uses his/her full work hours marking the mid-term, while another TA uses his/her work hours marking papers at the end of term.	9 hrs a week	Fall
EOSC 314: The Ocean Environment DE	Distance Education	general oceanography knowledge is required and upper level undergrad oceanography students could TA this course		Marking	mark graded discussions		Fall & Winter
EOSC 315: The Ocean Ecosystem	Classroom	Basic oceanographic knowledge.		Marking	Marking	TBA	Fall & Winter
EOSC 320: Sedimentology	Classroom	Must know sedimentology and stratigraphy		Lab work and marking	marking	13.5 hrs a week	Winter
EOSC 321: Igneous Petrology	Classroom	Igneous petrology. A TA should be able to work on a petrographic polarizing microscope and should be good at optical mineralogy.		Lab, marking	Administering Labs, Marking Labs, marking home assignments	19.5 hrs a week	Fall
EOSC 322: Metamorphic Petrology	Classroom	Optical mineralogy Optical petrography Hand sample mineral identification metamorphic geology	excel only	Lab	TAs run the labs, including introducing the material and answering student questions. Mark lab assignments Mark lab exam Answer student questions and mark final lab project	13.5 hrs a week	Winter
EOSC 323: Structural Geology I	Classroom	Structural Geology, stereonet, faults, folds, cross sections, 3 point problems		Lab work, Marking	Marking midterm and final lab exams TA'ing the lab component to the course	15 hrs a week	Fall
EOSC 326: Earth and Life Through Time	Classroom	Basic Geology Some paleontology background (eg a undergrad course) would be useful but not essential.		Marking, student contact	Attend class (this is divided up into modules so the TA's would not be attending the whole course), TA's presence needed during the following times (not including final exam) All the following occur during schedule lecture times (1 hour only) Week 1: Friday; Week 2: Friday; Week 3: Friday; Week 4: Friday (mid term) Week 5: Monday / Wednesday / Friday; Week 6: Friday; Week 7: Friday; Week 8: Monday / Wednesday / Friday; Week 9: Friday; Week 10: Friday (mid term) Week 11: Friday; Week 12: Friday Marking answer student questions from on line bulletin board. Attend 2-1 hour labs, Operate scantron for mid term / final and collate grades, mark labs	9 hrs a week	Fall & Winter
EOSC 326: Earth and Life Through Time	Distance Education	Basic Geology Some paleontology background (eg a undergrad course) would be useful but not essential.		Online discussion and marking	Leading/monitoring/replying online discussions. Assisting with writing exam questions which are based on the learning goals for the course. Marking exams	TBA	Winter
EOSC 329: Groundwater Hydrology	Classroom	Geology, geological engineering, geophysics are all probably good. Should be familiar with groundwater hydrology and the techniques associated with that subject.		Field, Lab, Lecturing, marking	Leading labs, both field and laboratory experimental labs, and problem solving tutorial labs Marking lab materials Answering student questions Grading quizzes Marking final exams (with instructor)	TBA	Fall
EOSC 330: Principles of Geomorphology	Classroom	Geomorphology. Airphoto Interpretation.	API	Labs and marking		20 hrs a week	Fall

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
EOSC 331: Introduction to Mineral Deposits	Classroom	need to have completed at least one lab-based undergraduate course in mineral deposits in addition to the standard core undergraduate geology courses (mineralogy, igneous and metamorphic petrology, structural geology, field school/experience).		Labs and Marking	bringing rock trays from the prep room (211A) down to the lab room (101) – 15 minutes prior to the start of the first lab section each week, plus posting answer sheets from the previous lab and any geological maps that will be used each week, making photocopies of labs for students each week, introducing the lab theme each week, providing a brief summary of problem areas identified in previous labs, providing guidance and advice for students during each of the 3-hour weekly labs, ensuring that the lab and prep rooms are kept clean and orderly, transporting rock samples from room 101 back to room 211A after the completion of each lab and re-archiving the sample drawers, marking weekly labs and updating master marking sheet for course, monitoring and marking final lab exam, assistance with grading of midterm/quizzes/final exam.	10.5 hrs per week	Fall
EOSC 332: Tectonic Evolution of North America	Classroom	Tectonics, regional geology, structural geology, igneous geochemistry		Marking and online discussion interaction	Monitor the course VISTA site. Grade and evaluate online assessments. Assist in reviewing and interpreting results of weekly online quizzes. Contribute to online discussions for the course, mark midterm and final exams. Ideally the TA would have previously taken the course, or else should be very knowledgeable about North American geology and tectonics	6 hrs a week	Winter
EOSC 333: Elemental and Isotopic Geochemistry	Classroom	Petrology Geology Mineralogy Geochemistry and isotope systematics	Excel	Lab work, marking	The TA has to give the labs, be present and available to the students for questions. The instructor visits each lab a couple of times. Help the student to resolve exercises, answer questions. Mark the labs after completion. Accompany the field trip (to ALS Global). Help in the marking of the exams.	10.5 hrs a week	Winter
EOSC 340: Global Climate Change	Classroom	Background and/or willing to learn (it's unlikely any TA will have deep background in all the material at the start): Earth's climate system in general, radiation balance, greenhouse effect, paleoclimate records, basic climate modeling Interest in climate science and current events in the news regarding climate change	Excel skills would be good. Other computer models we currently use can be learned fairly easily.	Lecturing, marking	Scantron and short answer marking throughout the term. Hold office hours (i.e. interact successfully with students 1-on-1 and in small groups). Attend class, Learn the material him/herself, Comment on draft assignments and exams. In the future, hold excel help sessions.	15 hrs a week	Fall & Winter
EOSC 350: Environmental, Geotechnical, and Exploration Geophysics I	Classroom	gravity, magnetic, GPR, seismology, applied geophysics,		Lab, marking	Lab work involves demonstrating geophysical equipment and having a strong background in the field acquisition processing and interpretation of the data TA should be able to present applied geophysics in an exciting way to students. Labs and Team Based Learning exercises are marked by TA's TA's are expected to interact with students outside of formal Lab hours.	7.5 hrs a week	Fall
EOSC 352: Geophysical Continuum Dynamics	Classroom	Vector calculus Differential equations	MATLAB	Marking	Marking assignments throughout the term	3 hrs a week	Fall
EOSC 354: Analysis of Time Series and Inverse Theory for Earth Scientists	Classroom	math, physics, ordinary differential equations, linear algebra Someone in atmospheric science, oceanography or hydrogeology, provided they had strong math/physics backgrounds	Should be proficient in Matlab, although it is certainly sufficient if they have experience with scientific computing languages (fortran, c, c)	Lab, Lecturing, Marking	TA's need to introduce and explain laboratory exercises to students and they need to be able to mark these same exercises.	3 hrs a week	Fall
EOSC 355: The Planets	Classroom	Some planetary science helpful but not necessary.		Marking	Grading in-class team work (after each class) and quizzes. Grading 3 major assignments, 2 midterms, and 2 project deliverables. One office hour per week, plus additional office hour during heavy workload weeks (~ 4 weeks). Help with making questions for midterms. Presence at and grading of final project presentations.	8hrs a week	Fall
EOSC 372: Introductory Oceanography: Circulation and Plankton	Classroom	introductory oceanography in any of physical, biological, or chemical		Marking	Provide AV backup Answer email questions Help with web site Run office hours Mark midterms (3) Mark final Photocopy exams	27 hrs a week	Fall
EOSC 373: Introductory Oceanography: Climate and Ecosystems	Classroom	It is best to have three TAs for this course, one that is in biological oceanography, another in biogeochemical oceanography and another in biological oceanography.		Marking	They only need to help us with the Vista site for the course, run office hours, mark 3 tests, as well as the final exam.	9 hrs per week	Winter
EOSC 420: Volcanology	Classroom	petrology, field geology, volcanology with a strong geological background		Field, Lab, Marking	Organize & participate in weekend field trips Teach weekly 3 hour labs Organize weekly lab materials Marking of lab assignments and lab exam	7.5 hrs	Fall
EOSC 422: Structural Geology II	Classroom	Structural geology Metamorphic would help		Lab, marking	TA the lab Help students with map-based and thin section based labs. Mark the labs and final lab exam	3.5 hrs a week	Winter
EOSC 425: Paleontology	Classroom	Geology Paleontology		Lab, marking	Delivering paleontology labs Marking labs Marking mid terms final exams Attending student seminars	7.5 hrs a week	Fall

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
EOSC 429: Groundwater Contamination	Classroom	groundwater hydrology, contaminant transport, MODFLOW	MODFLOW	Lecturing, marking	Tutorials Assignment marking, Student assistance with running course software (MODFLOW)	4.5 hrs a week	Fall
EOSC 430: Aqueous Geochemistry	Classroom	Students should have taken the course or a equivalent course	PHREEQC	Marking, lab	Grading assignments and running one or 2 of the labs. Assisting students with PHREEQC questions	4.5 hrs a week	Fall
EOSC 431: Groundwater Contamination	Classroom	groundwater hydrology, contaminant transport, MODFLOW	MODFLOW	Marking, lab	Tutorials Assignment marking, Student assistance with running course software (MODFLOW)	4.5 hrs a week	Winter
EOSC 432: Fossil Fuels	Classroom	Fossil fuels Petroleum Coal Preferably knows something about well logs		Marking	marking	4.5 hrs a week	Winter
EOSC 433: Geotechnical Engineering Practice	Classroom	Rock mechanics. Familiarity with geotechnical engineering design and numerical methods is of benefit.		Lab, Marking	Providing instruction for weekly labs. Grading of weekly labs.	6 hrs a week	Winter
EOSC 434: Principles of Geological Engineering	Classroom	Soil mechanics Rock mechanics Engineering geology		Marking	Mark lab assignments only	4.5 hrs a week	Fall
EOSC 442: Climate measurement and analysis	Lab	Three separate positions required: 1) Matlab; 2) Plankton Identification; 3) Water sampling in the field - biological ogy, physical ogy. The general background is doing science - data collection, sample prep and analysis but we use the context of climate to do this.	1 - 2 of the TA's require matlab	Instruction of lab - demonstration of sampling and lab protocols, marking	One TA will take students to jericho beach to do water sampling. One TA will run the microscope lab doing plankton Identification and counts. One TA will run the computer lab - Matlab. Each TA really is in charge of their section and activities. The Lab instructor only coordinates between the TA's	5 - 6 hours for each TA	Fall and Winter
EOSC 445: Engineering Design Project	Classroom	Geological engineering (undergraduate degree required)	Industry work experience in the engineering profession is critical (no particular IT skills required)	Marking, coaching students	Guiding student teams tasked with diverse engineering design projects drawn from local industry, grading assignments, answering questions, attending team progress meetings, commenting on draft reports, assessing oral and written communication skills Six hours per week on average, but much more heavily weighted toward Term 2		Fall and Winter
EOSC450: Potential Fields	Classroom	MATLAB and a background in physics or geophysics or applied math.	MATLAB	Marking	Mark weekly assignments	3 hrs a week	Fall
EOSC 453: Physics of the Earth and Other Planets	Classroom	Some experience with giving PowerPoint talks. MATLAB and a background in physics or geophysics or applied math is a plus but not required.	MATLAB	Marking	The TA evaluates two student talks per week that are submitted as PDFs or PowerPoint files. The TA's job is to provide feedback to the students who gave the talk on the substance and presentation of whatever it is they are talking about.	3 hrs a week	Fall
EOSC 470: Biological Oceanography	Classroom	biological oceanography, microbial ecology, phytoplankton physiology, microbial loop, zooplankton, primary productivity		Marking	The TA marks about 4-5 assignments over the course of the term and helps mark the mid-term using a detailed answer key. He/she also helps with some photocopying of exams etc. In some years, the TA has been asked to give one lecture on the topic of his / her expertise, but this is a very minor component of the work load.	3 hrs a week	Fall
EOSC 472: Introduction to Marine Chemistry and Geochemistry	Classroom	Chemistry, oceanography Students who have actually taken this course would be a great benefit as TA's.	Students must be able to use algebra and logarithms to calculate chemical equilibria manually.	Lecturing, marking	Marking assignments throughout the term, Helping with in-class group work projects, Answering student e-mails, Proof-reading drafts of assignments, Worksheets and exams.	6 hrs a week	Winter
EOSC 473: Methods in Oceanography	Classroom	Biological oceanography, perhaps chemical oceanography Field experience is required, as is some capacity for autonomy.		Field work and Lab work	Generally there are 2 parts to the TA load. First, they take part in the 1 week field portion at Bamfield. Second, they are required at UBC to a) help students prepare for their projects, b) help students find the resources to analyze their data, c) assist in analyzing their data, d) assist in marking their oral presentations and final reports	3 hrs a week	Winter
EOSC 474: Marine Pollution	Classroom	biology, oceanography, pollution		Marking	Main task of the TA is to mark commentaries (three during the semester), communicate results of marking to the students. Usually, the marking takes up most of the TA time assigned to this course (65 students).	4.5 hrs a week	Fall

Course Name	Delivery Method	Required Knowledge	IT Skills	General Duties	Specific Duties	Suggested TA Hours	Fall = September to December Winter = January to April
EOSC 475: Marine Microbiology	Classroom	Microbiology, biological oceanography; basic descriptive oceanography	some familiarity with html can be useful	Marking	Marking; evaluate oral presentations; some Web Vista familiarity;	4.5 hrs a week	Winter
EOSC 477/ATSC 414: Geophysical Fluid Dynamics	Classroom	Basic TA skills plus wet laboratory experience. If possible, knowledge of GFD	none	Set up Class Demonstrations, Help with Connect	Set up and clean up small fluid dynamics experiments for class. Scan marked group tests, upload materials to Connect, keep track of marks for assignments, photocopy	1.5 hrs a week	Winter every second year
EOSC 478: Introduction to Fisheries Science	Classroom	basic fish biology, fisheries oceanography, fisheries science		Marking, student contact	TA is used to mark end of the term assignment. In addition, his/her duties include invigilation of exams and participation in the student class critical paper reviews (several throughout the semester) and providing a feedback to lecturer (second person opinion) on the student performance.	3.5 hrs a week	Fall
EOSC 516: Teaching and Learning in the Earth Sciences	Classroom	Geosciences Education		Lecturing and marking	Facilitation of small groups sessions is very important (and very specialized)	9 hrs per week	Fall