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TROS: Chemical Sciences Contact: Prof. Valeria Nicolosi and Dr. Noella Scully (stchemgletci.ie) TROS: Contact: Prof. Valeria Nicolosi and Dr. Noella Scully (stchemgletci.ie) TROS: Contact: Prof. Valeria Nicolosi and Dr. Noella Scully (stchemgletci.ie) TROS: Contact: Prof. Prof. Note: The information swill be three examinations uppers. Two in chemistry and a third paper chosen from one of the following: Biology Paper 2 (based on material covered in Senior Fresh module BYU2201: from Noisculus to Cells, 3ms in duration, itudents answer three questions from six.) Maths Paper 2, Maths Paper 2, Physics Paper 2 (details below). Both chemistry examinations will be three hours in duration. The subject examined will cover JF coursework and material covered in Senester 1 of Senior Fresh chemistry. Candidates must ensure the subject accounts in Informed critical thinking in all three disciplines of chemistry. Biology for Chemical Sciences (TROS1) Contact: Biology Involvedge and informed critical thinking in all three disciplines of chemistry. Biology for Chemical Sciences (TROS1) Contact: So Cell 1. The paper will be of three hours duration, six questions, answer three. MATHEMATICS for Chemical Sciences (TROS1) Contact: Multi Strutt Pater P	Foundation Scholarship involves a searching examination, set and assessed so as to select students of outstanding ability. The objective of the Foundation Scholarship examination is to identify students who consistently demonstrate exceptional knowledge and understanding of their subjects. The examination requires candidates to demonstrate: skill in synthesising and integrating knowledge across the full range of the sexamination materials; rigorous and informed critical thought; and, in appropriate disciplines, a highly-developed ability to solve problems and apply knowledge.		
Contact: Prof. Valeria Nicolosi and Dr. Noelle Scully (schem@tod.le) TROS Landidates presenting for scholarship examinations will set three examination papers. Two in chemistry and a third paper chosen from one of the following: Biology Paper 2 (based on material covered in Sainor Tresh module BVU22201: from Molecules to Cells, 3hrs in duration, students answer three questions from six.), Maths Paper 2, Maths Paper 2, Physics Paper 2 (details below). Biot chemistry examinations will be three hours in duration. The subject examined will cover 1 for summary and in sensetser 1 of the senior Fresh chemistry. Candidates will have equal weighting. The Foundation Scholarship examination in Chemistry examines the subject acovered in Junior Tresh year and in sensetser 1 of the senior Fresh year. The questions were and weighting. The Foundation Scholarship earning the subject socret in Junior Tesh year and in sensetser 1 of the senior Fresh year. The questions were analyticates and integrate knowledge and informed critical thinking in all three disciplines of chemistry. BIOLOGY for Chemical Sciences (TROG1) Chemical Sciences (TROG1) Chemical Sciences (TROG1) Chemical Sciences (TROG1) Contact: thus Britis (brittor fresh year. Paper 2, 2. hrs in duration will consist of problems in mathematics and mathematical modelling, using in particular the skills developed in the modules MAUI1502 and MAUI1502 of the Junior fresh year. Paper 2, 2. hrs in duration will consist of problems concerning the subject matter of the two Senior fresh modules (Series 1) Paper 1, 2. hrs in duration will be a general paper, testing the ability of candidates to solve unseen problems in mathematical modelling, using in particular the skills developed in the modules MAUI1502 and MAUI1502 of the Junior fresh year. Paper 2, 2. hrs in duration will consist of problems concerning the subject matter of the two Senior fresh modules MAUI1502 is assumed as background to the Senior fresh wouldes, but the problems on Paper 2 will be gradeed by ta	Please include a brief statement belo	ow which explains how your examinations succeed in identifying the qualities associated with Scholarship.	
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Both chemistry examinations will be three hours in duration. The subject examined will cover JF conservork and material covered in Semester 1 of Senior Fresh hemistry. Candidates will have to answer all freq austions on example appent, two of which will be general questions, integrate in notes each not necessarily based on courseourk. All questions examine the candidate's ability to proben solve and in sensetser 1 of the senior Fresh year. The questions examine the candidate's ability to proben solve and in sensetser 1 of the senior Fresh year. The questions examine the candidate's ability to proben solve and integrate knowledge across the fresh chemistry material. Candidates unit and to synthesize and integrate knowledge across the fresh chemistry material. Candidates will is a paper covering the Senior fresh module BYU22C01 from Moleculos to Cell II. The paper will be of three hours duration, six questions, answer three. MATHEMATICS for Chemical Sciences (TR061) Contact: Ruch Britto (brittor Qirctie) Paper 1, 2 hrs in duration will consist of problems in mathematics and mathematical modelling, using in particular the skills developed in the Michaelmas term (MAU22S01 Multivariable calculus for science and MAU22S03 Fourier analysis for science). The material from the lunior fresh year (modules MAU1IS01 and MAU1IS02) is assumed as background to the Senior fresh modules of Pared in the Michaelmas term (MAU22S01 Multivariable calculus for science and MAU22S03 Fourier analysis for science). The material from the lunior fresh year (modules MAU1IS01 and MAU1IS02) is assumed as background to the Senior fresh and Michaelmas Term Senior fresh topics will be eargined through questions of a higher standard than those to be found at the end-of-semester module Scored question fresh earce (topogaps) will be durated will be noted on the one of material covered in MAU22S01 and MAU1IS02 and MAU1IS02 is assumed as background to the Senior fresh and Michaelmas Term Senior fresh topics will be eargined Physics section on Thermitor	TR061 candidates presenting for scholarship examinations will sit three examination papers. Two in chemistry and a third paper chosen from one of the following: Biology Paper 2 (based on material covered in Senior Fresh module BYU22201: from Molecules to Cells, 3hrs in duration, students answer three questions from six.), Maths Paper 1, Maths Paper 2, Physics Paper 1, Physics Paper 2		
Chemical Sciences candidates will sit a paper covering the Senior fresh module BYU22C01 From Molecules to Cell II. The paper will be of three hours duration, six questions, answer three. MATHEMATICS for Chemical Sciences (TR061) Contact: Ruth Britto (brittor@Rctole) Paper 1, 2 hrs in duration will be a general paper, testing the ability of candidates to solve unseen problems in mathematics and mathematical modelling, using in particular the skills developed in the modules MAU11301 and MAU11302 of the Junior fresh year. Paper 2, 2 hrs in duration will consist of problems concerning the subject matter of the two Senior fresh modules offered in the Michaelmas term (MAU22S01 Multivariable calculus for science and MAU25303 Fourier analysis for science). The material from the Junior fresh year (modules MAU11501 and MAU11502) is assumed so background to the Senior fresh modules, but the problems on Paper 2 will be targeted at material covered in MAU22S01 and MAU22S03. PHYSICS for Chemical Sciences (TR061) Contact: Prof. D. McCloskey (mccloskd@ttd.ie) and Prof. C. McGuinness (cmcguin@ttd.ie) For the Physics papers, both Junior fresh and Michaelmas Term Senior fresh topics will be examined through questions of a higher standard than those to be found at the end-of-semester module Examinations. There are two papers in Physics for all students, each of two hours duration. Each paper will consist of 3 sections of 2 questions each. Each paper will be graded by taking the highest scored question, plus the best mark from all remaining answered questions, are total of 4 marked questions. Fach paper will have one section on Materials and one general Physics section of each paper will consist of questions drawn from all material in the Junior fresh year and the first semester of Senior fresh years. Science Course Office. Note: The information provided in this leaflet is accurate at time of preparation. Any revisions will be notified to students via e-mail and the Science Course Office Website: https://www.ttd.ie/S	(actains below). Both chemistry examinations will be three hours in duration. The subject examined will cover JF coursework and material covered in Semester 1 of Senior Fresh chemistry. Candidates will have to answer all five questions on each paper, two of which will be general questions, integrative in nature and not necessarily based on coursework. All questions will have equal weighting. The Foundation Scholarship examination in Chemistry examines the subject as covered in Junior Fresh year and in semester 1 of the senior Fresh year. The questions examine the candidate's ability to problem solve and to synthesize and integrate knowledge across the fresh chemistry material. Candidates must exhibit the ability to apply knowledge and informed critical thinking in all three disciplines of chemistry.		
Contact: Ruth Britto (brittor@tcd.ie) Paper 1, 2 hrs in duration will be a general paper, testing the ability of candidates to solve unseen problems in mathematics and mathematical modelling, using in particular the skills developed in the modules MAU11SD1 and MAU11SD2 of the Junior fresh year. Paper 2, 2 hrs in duration will consist of problems concerning the subject matter of the two Senior fresh modules MAU11SD1 and MAU11SD2 is assumed as background to the Senior fresh modules, but the problems on Paper 2 will be targeted at material covered in MAU22SD1 and MAU22SD3. PHYSICS for Chemical Sciences (TR061) Contact: Prof. D. McCloskey (mccloskd@tcd.ie) and Prof. C. McGuinness (cmcguin@tcd.ie) For the Physics papers, both Junior fresh and Michaelmas Term Senior fresh topics will be examined through questions of a higher standard than those to be found at the end-of-semester module Examinations. There are two papers in Physics for all tudents, each of two hours duration. Each paper will consist of 3 sections of 2 questions each. Each paper will be graded by taking the highest scored question from each section on Thermodynamic, one section on Oscillations and one general Physics section. The second Physics paper will have one section on Electricity and Magnetism, one section on Materials and one general Physics section. The general Physics section of a cuto and one general Physics section of a suddents via e-mail and the Science Course Office Website: https://www.tcd.ie/Science/	BIOLOGY for Chemical Sciences (TR061) Chemical Sciences candidates will sit a paper covering the Senior fresh module BYU22C01 From Molecules to Cell II. The paper will be of three hours duration, six questions, answer three.		
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