Ready for Internship
20th September 2014, Saturday, 0900-1200 hr
“If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart.”

– Nelson Mandela
International Young Physicists' Tournament (IYPT)

http://www.iypt.org/Home
https://www.youtube.com/watch?v=O51W8D-geiA

https://www.youtube.com/watch?v=3H4Y5v1fFZg
Why Internship?
“Research published today shows that vacancies for university leavers are set to soar to a seven-year high this summer as employers significantly boost recruitment levels for the first time since the economic downturn. But the study revealed that thousands of jobs will only be open to applicants who have previously carried out internships, industrial placements or work experience. Companies said that 4-in-10 positions being advertised for graduates in 2014 would be reserved for those with previous experience – barring other final year students from applying.”

– Graeme Paton, Education Editor

The Telegraph
13 Jan 2014

“In 1992, polytechnics in the UK become universities.”

http://www.theguardian.com/education/2012/sep/03/polytechnics-became-universities-1992-differentiation

Percentage population with tertiary education: 41.0%
“The Singapore Ministry of Education (MOE) will open up more university places this year, bringing the number of places at the six universities, including the Singapore Institute of Technology (SIT) and SIM University (UniSIM), to 14,000. This means the government's target of providing university places for 30 per cent of an age group will be reached a year earlier than planned. … MOE will press on to offer publicly funded university spaces for 40 per cent of every cohort by 2020. With 10 per cent of each cohort earning a degree from part-time courses, up to half of each age group could enjoy a government-subsidised degree education.”

– Sandra Davie
*The Straits Times*
29 March 2014

“What does this mean for us?”
What differentiates you from the other 1,892,794 applicants?

(evidence)
“… a tight labour market is making employers raise the pay and job prospects of their non-graduate hires. … the time taken for a top diploma hire to close the pay gap with his graduate counterpart has shortened significantly. … Some companies, however, continue to have two separate career tracks for graduates and non-graduates but human resource experts are hoping this will change after the latest push by the Government to get firms to recognise skills instead of paper qualifications. … The graduate and non-graduate divide is narrowing even more rapidly in sectors such as manufacturing, aerospace and construction …. Firms in these industries have opened up engineering jobs – which are traditionally for degree holders – to diploma holders with the relevant experience, … … at Singapore Power, fresh diploma holders start at lower salaries than their graduate colleagues. But they can progress to the engineering track, which is offered to graduates, if they display the ability and aptitude for the job, …

– Amelia Tan
The Straits Times
01 September 2014
Singapore Management University student Brandon Ong (right) has gone on four internships in various industries, which helped him decide on a career in banking. Mr Kwok Wei Jie had a job attachment at the Economic Development Board and is now working there on a permanent basis. -- ST PHOTO: ONG WEE JIN

“Get a feel for jobs early on, say bosses”

– Amelia Tan and Joanna Seow

The Straits Times

19 September 2014
Aren’t you convinced internships are important?
Undergraduate Professional Internship Programme (UPIP)

XX3311* (Undergraduate Professional Internship)
XX3312† (Extended Undergraduate Professional Internship)

*CM, LSM, MA, PC, QF, ST, ZB
†CM, MA, PC, QF, ST
*Students can seek their own internship positions (e.g., via NUS TalentConnect, https://talentconnect.nus.edu.sg/).

†To be in UPIP, a student needs to be selected – the selection of Interns is entirely at the discretion of the employers, which may choose to call up referees and/or conduct an interview with short-listed applicants.
What do employers gain?

Give employers the opportunity to guide, evaluate, identify and recruit motivated talent.
Employers

Internships*
(job descriptions)

Faculty of Science

UPIP Committee

Department UPIP Coordinators

Career Advisors

Supervisors

Academic Advisors
(Academic Mentors)

Interns†

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The UPIP Committee* (sciupip@nus.edu.sg)

*This is chaired by Vice-Dean (Student Life), with the Dean as Advisor.

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The UPIP Committee – Department UPIP Coordinators

CM3311 / 3312
- A/Prof Ryan Bettens

LSM3311
- Dr Ong Bee Lian

MA3311 / 3312
QF3311 / 3312
- A/Prof Chu Delin

PC3311 / 3312
- A/Prof Paul Lim Hock Siah

ST3311 / 3312
- A/Prof Lim Tiong Wee

ZB3311
- A/Prof Choi Kwok Pui
The UPIP Committee - Career Advisors

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(Chemistry, Physics, and Statistics)
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Ryan Ang Kwok Peow
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Don't you love to do UPIP now?
FoS introduced UPIP (http://science.nus.edu.sg/students/upip) in AY2011/2012*. 
*The 1st batch of UPIP Interns had their internships in AY2011/2012 Special Term.

38 65 >140

119 + 21 + ...

UPIP Calendar:

May†        June         July

August†     September*  October    November

January†    February*   March      April

†UPIP Send-off

*UPIP Briefing (Ready for Internship)
XX3311 is offered in Special Term\(^\dagger\)
(e.g., for **AY2015/2016**: 11\(^{th}\) May to 1\(^{st}\) Aug 2015, minimum 10 weeks)

XX3312 is offered in Semester 1 or 2\(^*\)
(e.g., for **AY2014/2015**: 4\(^{th}\) Aug to 6\(^{th}\) Dec 2014, minimum 16 weeks)
   or 12\(^{th}\) Jan to 9\(^{th}\) May 2015, minimum 16 weeks)

Any student is allowed to take only ONE of these modules throughout his/her Undergraduate Study.

\(^\dagger\)Need not pay Special Term Module Fee.

\(^*\)Any student who opts to undertake XX3312 is not encouraged to take other modules, and should be prepared, if the situation arises, to graduate one semester later than his/her cohort.
Any student* who is applying for UPIP must have already
(a) completed and passed the 5-week NCC1001 HeadStart Career Module*
or 5-week NCC1000 StepUp Career Module
(http://nus.edu.sg/osa/ncc/latesthappening/3-latesthappening/280-ncc1001-headstart-ncc1000-stepup-career-modules),
or SP1001 Career Planning and Preparation*
(b) completed at least three regular semesters
(c) declared a Science subject as major and completed a minimum of 32 MC in this major

*Science Dean’s Office will invite these students via emails to attend UPIP Briefing.
*All FoS Freshmen will be pre-allocated NCC1001 in their 2nd or 3rd semester by NUS Career Centre.
*From AY2013/2014 Semester 1, FoS will no longer offer SP1001.
Additional constraints:

The UPIP internship semester cannot be a graduating semester. He/she cannot read UPIP concurrently with his/her Honours Year Project.

In other words, any student may participate in UPIP as early as the end of Year 2 (i.e., Special Term), Year 3 Semester 1 (3 year), Year 3 Semester 2, or as late as Year 3 Special Term (4 year).

Students in UROPS are not allowed to take part in UPIP at the same time.

Students going for Student Exchange Programme* are not allowed to sign up for XX3312 in the same semester.
XX3312 for AY2014/2015 Semester 2
(12th Jan to 9th May 2015, minimum 16 weeks)

...: NCC1001, etc.

20th Sep 2014: Ready for Internship

20th Sep 2014: Step I

https://adhoc.science.nus.edu.sg/perl/workshop_reg/upip/index.pl

4th Oct 2014: Deadline for Step I

20th Oct 2014: Step II


30th Nov 2014: Deadline for Step II*

*For students who seek their own internship positions, 21st Nov 2014.
Faculty of Science
Undergraduate Professional Internship Programme (UIPI)
UIPI Pre-Registration for internship in AY 2014/2015 Semester 2

Full Name:*  
Student Matric:*  
I have completed at least 3 regular semesters at NUS:*  
The semester I plan to participate in UIPI internship is:*  
The semester I plan to graduate is:*  
My first major is:*  
I have completed at least 32 MC in this major. The module codes are  
1:*  
2:*  
3:*  
4:*  
5:*  
6:*  
7:*  
8:*  

* Compulsory field

https://uipip.science.nus.edu.sg/
What are you getting into?
UPIP is an elective programme that aims to provide Science Undergraduates the opportunity to perform **Structured Internship** in an Organization during their Undergraduate Study.

UPIP is credit-bearing*: 4MC for XX3311 and 8 MC for XX3312. Both XX3311 and XX3312 are graded CS/CU* ([http://www.nus.edu.sg/registrar/edu/modular.html](http://www.nus.edu.sg/registrar/edu/modular.html)), and counted towards Unrestricted Electives ([http://www.nus.edu.sg/registrar/edu/UG/curriculum.html](http://www.nus.edu.sg/registrar/edu/UG/curriculum.html)).

*Therefore, internships need to be approved by **Department UPIP Coordinators**. An Internship should have "**relevance**" to a major and involve the application of "**relevant**" subject knowledge of a discipline.

*Performance of an Intern must be deemed **satisfactory** by both the Academic Advisor and the **Supervisor** for an Intern to be awarded CS.
Provide students with the opportunities
(a) for self-directed experiential learning* that integrates knowledge and theory learned in the classroom.
(b) to apply classroom learning, theories, and experiences to professional settings.
(c) to help facilitate the transition from university to work.
(d) to gain practical experience as a professional under conditions conducive to educational development.
(e) for personal professional development.
(f) to network in professional fields they are considering for career paths.

*Experiential learning is learning through reflection on doing. …
UPIP Workload:
During the whole duration of Internship, Interns work with a Supervisor in the Organisation.

By the end of the 1st full week, Interns are required to prepare and submit a Work Plan. They are required to document their activities and experiences in a Weekly Online Journal. These are to be submitted via the FoS UPIP Online Portal to the Academic Advisor.

Last, they are required to submit a Final Report within 2 weeks after completing their Internships.
Students can seek their own internship positions (e.g., via NUS TalentConnect, https://talentconnect.nus.edu.sg/).

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What if things do not go according to plan?
XX3312 for AY2014/2015 Semester 2
(12th Jan to 9th May 2015, minimum 16 weeks)

...: NCC1001, etc.

20th Sep 2014: Ready for Internship

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