ACADEMIC ADVISING 2016-17

OFFICE OF ACADEMIC ADVISING AND SUPPORT

31 AUGUST 2016



OVERVIEW

1. **Summary of First Year Experience Survey 2015**
2. **Science Student Intake 2015-16**
3. **Advising Timeline**
4. **New School Foundation Courses**
5. **Updates on Major Declaration**
6. **What is IRE? And transfer to IRE**
7. **SCIE 1000 – meet your advisees**
8. **MySCI**

UNIVERSITY-RUN FIRST YEAR EXPERIENCE SURVEY 2015

Administered in July 2015

Targets: Students from all Schools

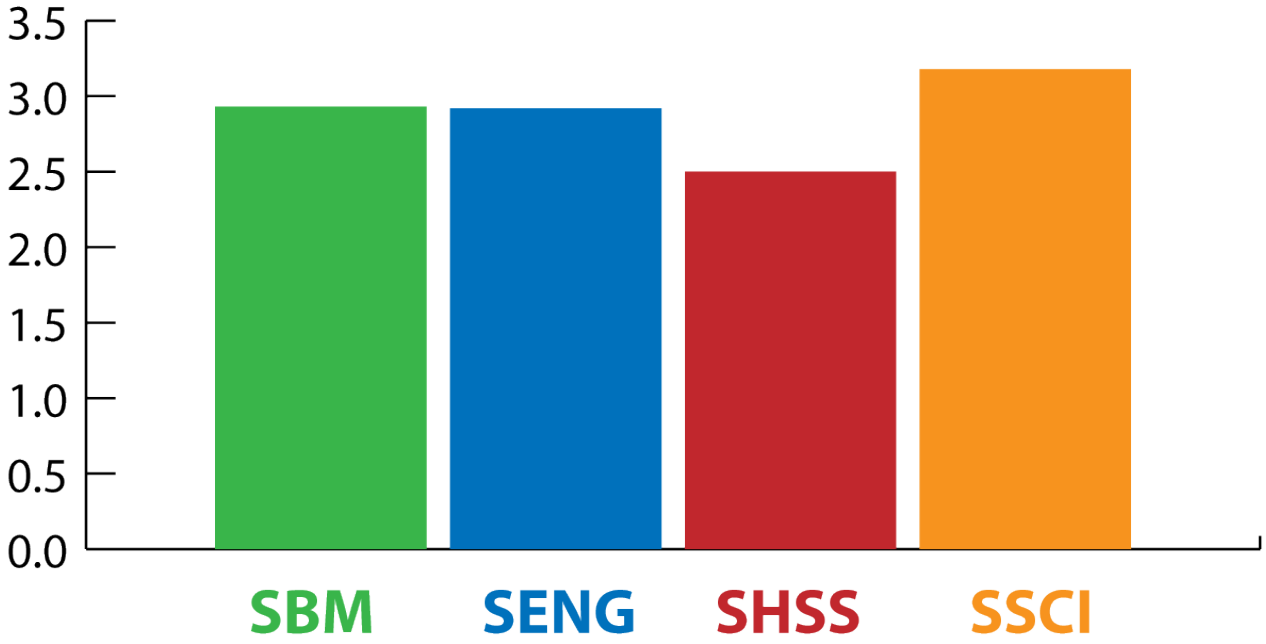
Questions: Teaching and learning, co-curricular and academic advising

ACADEMIC ADVISING:

Q3-5. Student experience in Acadmeic Advising (1=Not at all, 5=A lot)

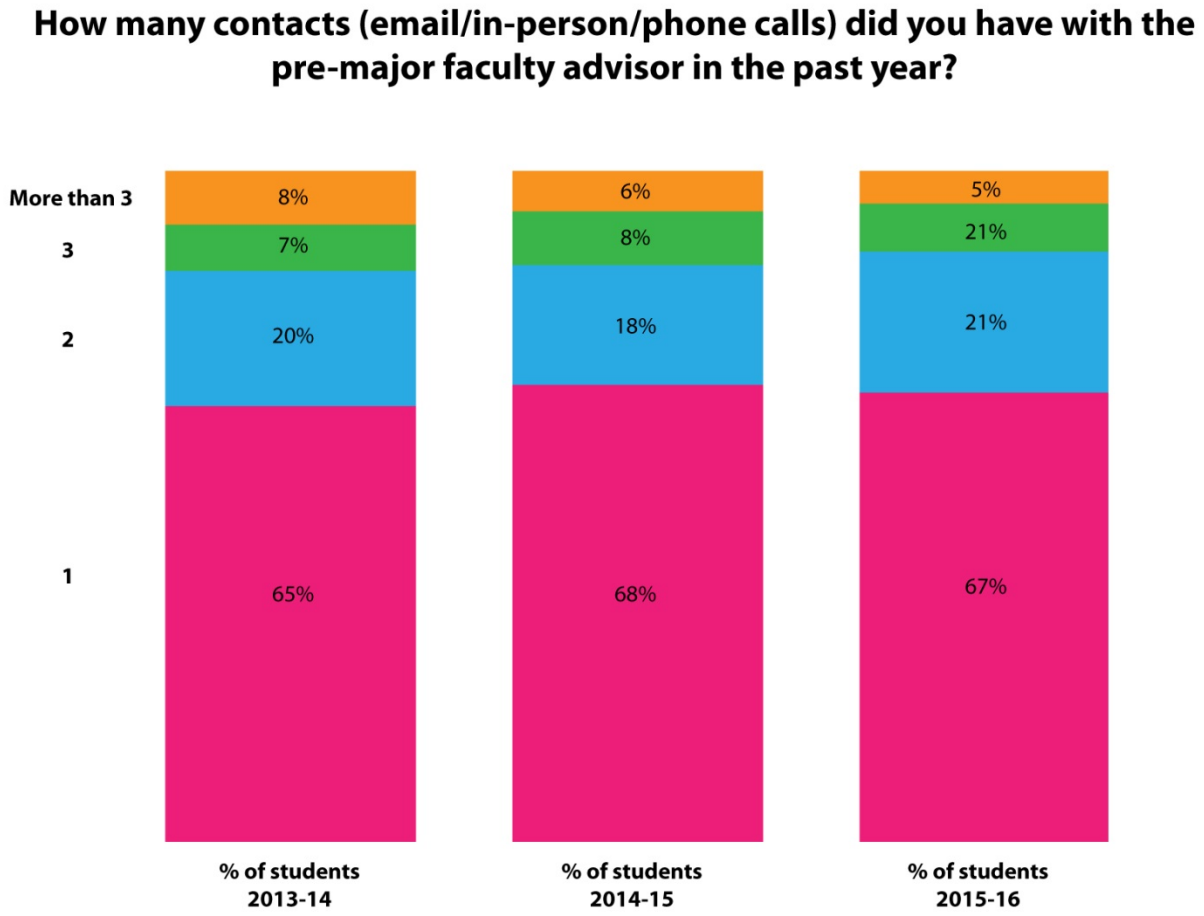
Highest scores among all Schools	**Score relatively lower than SENG and SBM**
3A. I was well prepared in advance for my advising sessions. 3B. I collected information to help me plan and manage my degree program. 3C. I explored my interests, values and abilities with my advisor.program. 3D. I discussed my study-related emotional issues with my advisoradvisor.program. 3E. I developed my course plan after carefully considering my interests, values, and abilities. 3F. I often monitored my progress in achieving my educational and career goals. 3H. I value and reflect on the advice given to me by my advisor	3G. I sought out opportunities to help me achieve my educational and career goals (e.g. by attending career talks, internship, etc.).
4A. I have been given adequate time to address all of my advising concerns. 4C. I knew who to contact in order to obtain answers to different questions I have (e.g. about financial aid, course planning, tutoring, career counseling, etc.). 4D. It was easy and convenient for me to consult my advisor. 4E. Adequate information has been provided to me to plan my study and monitor my study progress. 4F. I felt cared for and listened to in the advising process.	4B. I had clear academic and career goals.
5A. To understand the graduate requirements of your program 5B. To find out what courses/majors are available at your School/ Department 5C. To find out what opportunities are available for enriching your academic experience (e.g. internship, exchange, service learning/ research projects, etc.) 5D.To find out what learning support services are available on campus (e.g. tutoring, counseling, etc.) 5E. To understand your strengths and weaknesses in your study 5F. To improve my self-understanding (e.g. abilities, interests, career aspiration, life goals, etc.) 5G. To cope with study-related emotional issues	

7. Overall how much did you benefit from participating in academic advising?



SCHOOL-RUN ACADEMIC ADVISING SURVEY 2016

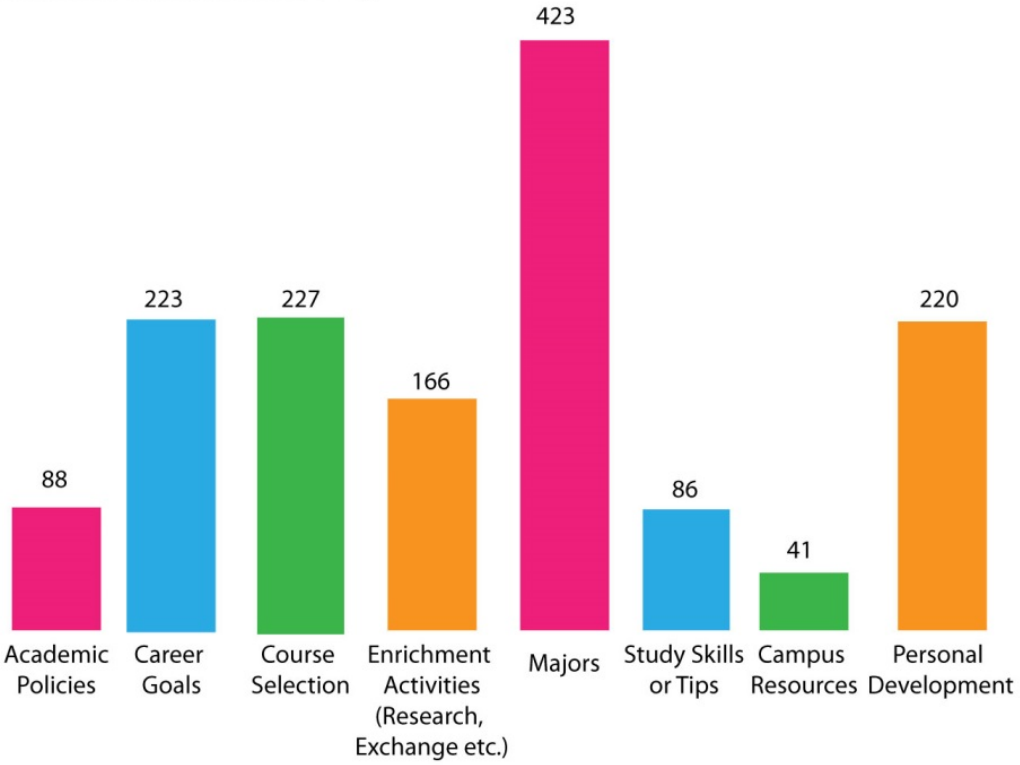
ACADEMIC ADVISING SURVEY 2016



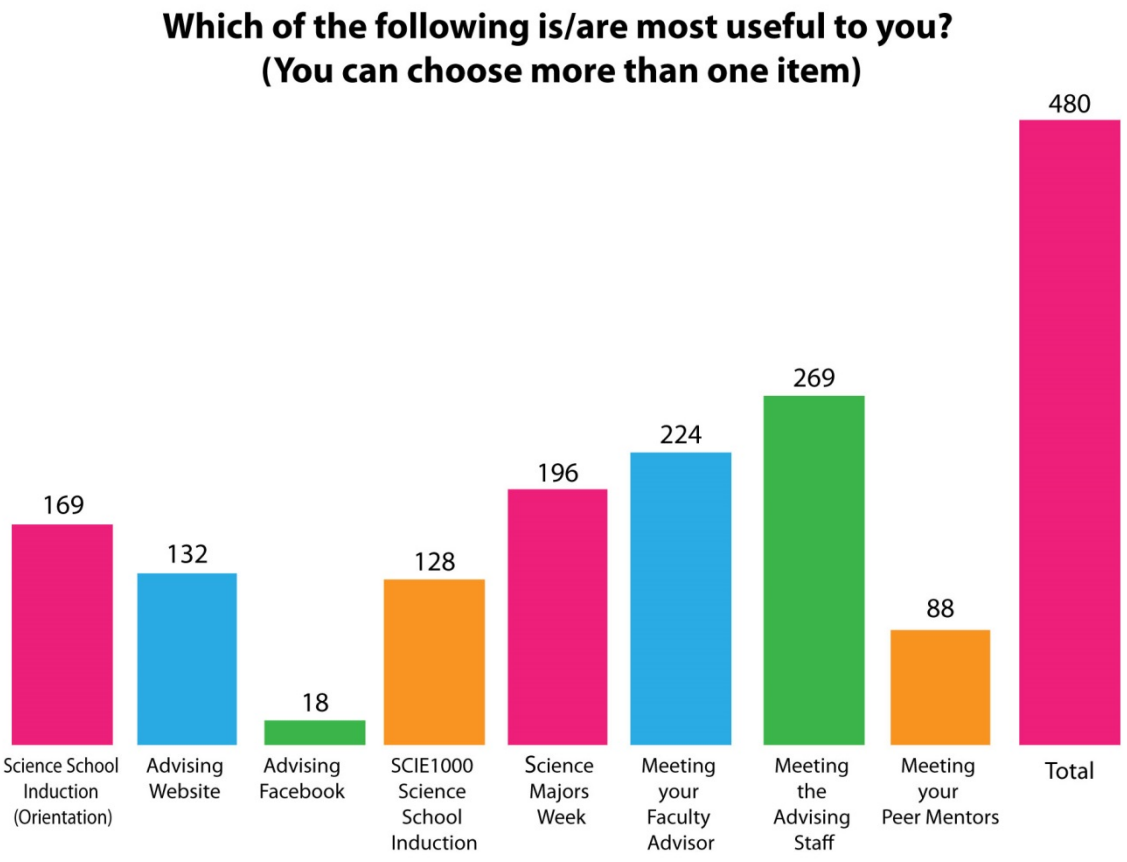
ACADEMIC ADVISING SURVEY 2016

Which of the following questions/concern have you discussed with your Faculty Advisor and Advising Staff? You can choose more than one option.

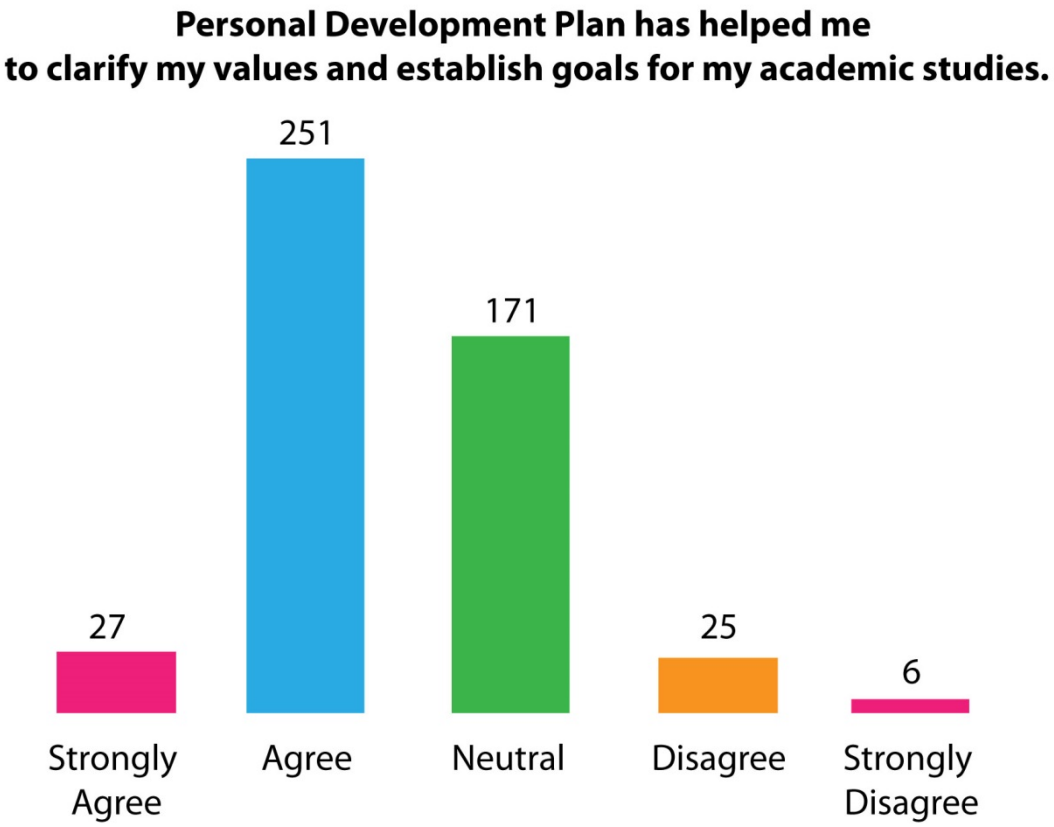
(Total number of students: 480)



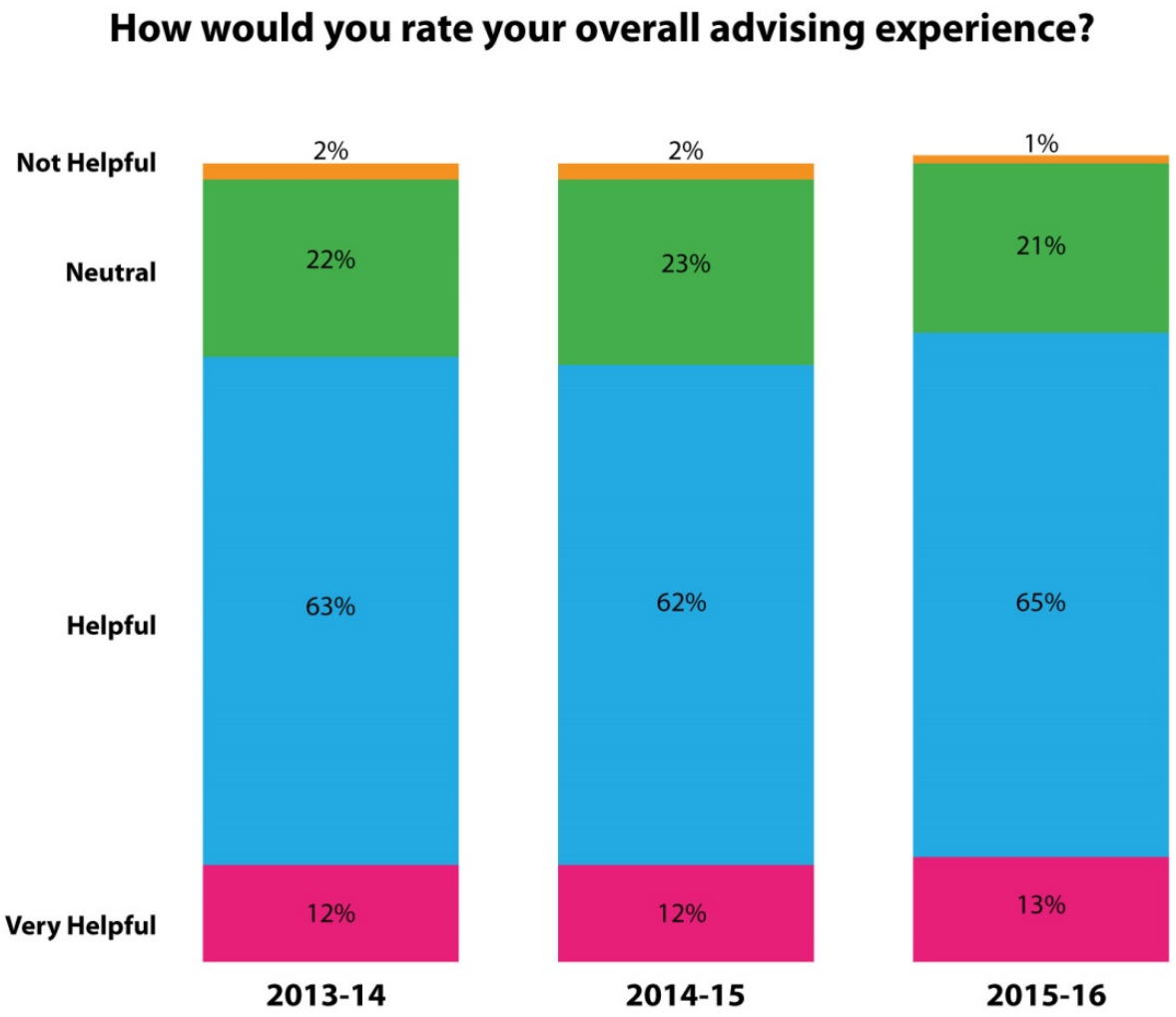
ACADEMIC ADVISING SURVEY 2016



ACADEMIC ADVISING SURVEY 2016



ACADEMIC ADVISING SURVEY 2016

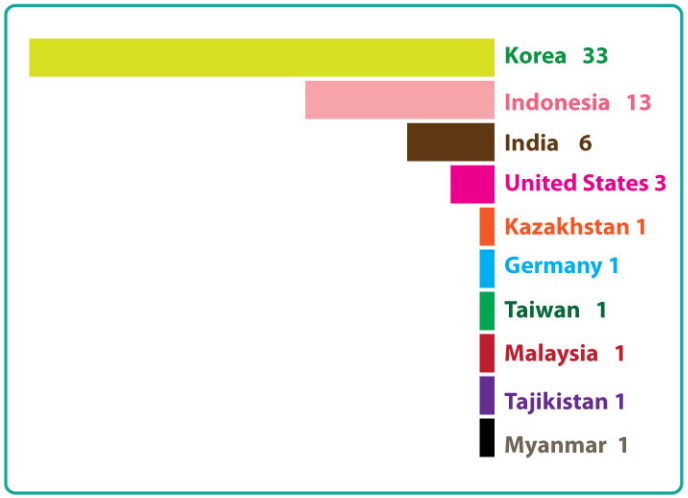


STUDENT INTAKE 2016

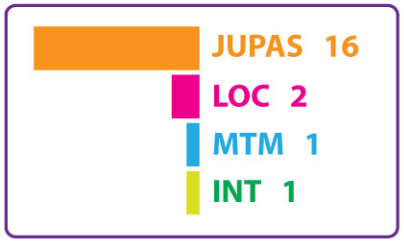
Science Students Intake 2016-17

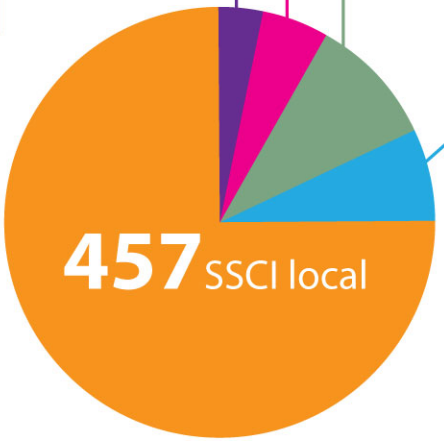
31 Local Direct Entry
IB/GCEAL/AP/Canadian (British Columbia/Manitoba)

60 International



20
IRE (International Research Enrichment) students





40 Mainland and **1** Taiwan
(No guaranteed Majors)

Total: 589 Students

Information as of 29 Aug, 2016

Comparison of JUPAS (best five) score among Science Programs

Institution	Program Name	Intake	Highest	Mean	Lowest
HKUST	Science	465	30	22.23	20
HKU	Bachelor of Science	323	34	25.21	21
CUHK	Science	386	34	23.95	18

Comparison of JUPAS (best five) score among “prestigious” Science Programs

Institution	Program Name	Intake	Highest	Mean	Lowest
HKUST	IRE	20	35	32.75	31
HKU	Actuarial Science	42	35	30.24	27
CUHK	Enrichment Mathematics	31	35	29.55	26
	Enrichment in Theoretical Physics	22	35	29.09	25
	Risk Management Science	29	29	27.41	25

ADVISING TIMELINE

Advising Timeline and Key Events

1 Sept
Fall term Commences

1-14 Sept
Add/Drop Period

9 Sept
SCIE 1000
Meet your pre-major facutly advisor
Time: 6-6:50pm

17 - 21 Oct
Sciece Majors Week
An annual event where students can learn more about different majors

Winter Break
(Recommended)
Pre-major facutly advisor can meet their advisees
Time: (TBC)

1 Mar -30 Apr
First-round Major Declaration Period

Major Declaration Procedure:

- Fulfill major pre-requisites requirements
- Meet Pre-major Faculty Advisor
- Submit Major Declaration Form by 25 Apr
- Results released in mid-June
  - No offer
  - STUDENT WITH MAJOR

Dec 2016
Second-round Major Declaration Period

2016

6 Oct - 3 Nov
Early -round Major Declaration Period
Only for those who have earned 15-30 credits on entry

1 Feb
Spring Term Commences

2017

End Feb-End Apr
SCIE 1000
One-on-one advising session:
4-5 sessions a week, each lasts for ~20mins

Major pre-requisite requirements

MATH/MAEC/ENVS/EVMT/RMBI
MATH 1013 & 1014 or
MATH 1023 & 1024 or MATH 1020

LIFE SCIENCE/ENVS
LIFS 1091 & 1902

CHEM
CHEM 1010 or 1020 & CHEM 1030

PHYS
PHYS 1111 or 1112 or 1312
& PHYS 1114 or PHYS 1314

Maximum of 2 choices
BCB/BISC/BIOT have become ONE choice

Selection criteria:
- Best 4 science foundation courses (exclude Lab courses) (doesn't need to be major pre-requisites)
- Average grade of the above courses

If non-JUPAS students do not have enough science foundation courses, we also count other science courses (exclude SCIE courses)

Guarantee major:

5** in 1x subject in HKDSE	Guarantee major
Physics	PHYS
Chemistry	CHEM
Biology	BCB/BIOT/BISC/ENVS
M1 or M2 (Compulsory part not included)	MATH/MAEC

School of Science
Office of Academic Advising and Support
Office address: Room 1401-03 (1/F)
Website: http://advise.science.ust.hk

Associate Dean /Director
Prof Pakwo Leung (phleung@ust.hk, X7483)
Student Advising Manager
Miss Tina Ko (tinako@ust.hk, X5873)
Student Advising Officer
Miss Su Ngai (sungai@ust.hk, X5960)
Miss Yee Lai (laiyy@ust.hk X5811)
Miss Hermia (Hermia@ust.hk, X5777)

Information as of 29 Aug 2016

UPDATES ON MAJOR DECLARATION

1. **BEST 4 Science foundation courses**
   - Lab courses are excluded
   - Doesn't need to be major pre-requisites
2. **Division of Life Science becomes one choice**
3. **Total grade point of best 4 science courses**
4. **For non-JUPAS students who do not have enough foundation courses, any science lecture courses except SCIE will be counted**
5. **Guarantee Major**

5** in 1X subject in HKDSE	Guarantee major
Physics	PHYS
Chemistry	CHEM
Biology	BCB/BIO/BISC/ENVS
Math M1 or M2 (compulsory part not included)	MATH

Explore 13 Majors



PHYS

1 ***BSc in Physics (PHYS)***
- Applied Physics Option
- Physics and Mathematics Option
- Honors Physics Option
- International Research Enrichment Track

MATH

2 ***BSc in Mathematics (MATH)***
- Applied Mathematics Track
- Computer Science Track
- Mathematics and Physics Track
- Pure Mathematics (Advanced) Track
- Pure Mathematics Track
- Statistics and Financial Mathematics Track
- International Research Enrichment Track

CHEM

3 ***BSc in Chemistry (CHEM)***
- Biomolecular Chemistry Option
- Materials Chemistry Option
- Pure Chemistry Option
- Environmental and Analytical Chemistry Option
- International Research Enrichment Track

LIFS

4 ***BSc in Biochemistry and Cell Biology (BCB)***
- International Research Enrichment Track

5 ***BSc in Biological Science (BISC)***

6 ***BSc in Biotechnology (BIOT)***
- International Research Enrichment Track

ENVS

7 ***BSc in Environmental Science (ENVS)***
- International Research Enrichment Track

IPO

8 ***BSc in Environmental Management and Technology (EVMT)***

9 ***BSc in Risk Management and Business Intelligence (RMBI)***

10 ***BSc in Individualized Interdisciplinary major (IIM)***

11 ***Dual Degree Program in Technology and Management (DDP)***

Joint-School Programs

12 ***BSc in Biotechnology and Business (BIBU)***

13 ***BSc in Mathematics and Economics (MAEC)***

Difference between Option and Track

Option is optional. However Math student must select a track after they get into Math.

8-13 majors may have specific entry requirement

E.g. CGA, English, DSE result and interview performance

MAJOR DECLARATION RESULT

2015

Total number, CGA Mean and Best 4 Score Mean of the students getting into each major

2014-15

Program	No. of students	CGA Mean	Best 4 Score Mean
LIFS	146	2.631	10.805
CHEM	84	2.668	11.680
PHYS	49	3.060	13.084
MATH	65	2.471	11.194
MAEC	30	3.190	14.710
ENVS	44	2.470	10.598
RMBI (for science students)	8	3.265	-
EVMT (for science students)	23	2.969	-
DDP	3	3.484	-

2016

Total number, CGA Mean and Best 4 Score Mean of the students getting into each major

2015-16

Program	No. of students	CGA Mean	Best 4 Score Mean
LIFS	173	2.538	10.542
CHEM	85	2.586	11.407
PHYS	48	3.148	13.585
MATH	85	2.533	11.129
MAEC	30	3.361	15.02
ENVS	23	2.781	11.996
RMBI (for science students)	8	3.385	-
EVMT (for science students)	25	3.045	-
DDP	1	3.064	-

WHAT IS IRE?

(International Research Enrichment Track)

- **Participation in forefront research under the supervision of world-class professors**
- **Exchange opportunity in a renowned foreign university**
- **Summer research internship opportunity**
- **Early research opportunity**
- **Individualized supervision from experienced HKUST faculties throughout the program**

SIX MAJORS + FREE CHOICE

1. **BSc in Physics (PHYS)**
2. **BSc in Mathematics (MATH)**
3. **BSc in Chemistry (CHEM)**
4. **BSc in Biochemistry and Cell Biology (BCB)**
5. **BSc in Biotechnology (BIOT)**
6. **BSc in Environmental Science (ENVS)**

SCHOOL REQUIREMENT FOR IRE STUDENTS

- **SCIE 1500 and 2500 Guided Study on Research I & II (2 credits)**
- **Additional Science Electives 2000-level or above (6 credits)**
- **SCIE 3900 International Summer Research Experience (3 credits)**
- **UROP 1100 Undergraduate Research Opportunities (CGA>3.3, 1 credit)**

TRANSFER TO IRE

- **Students interested in IRE should enroll in SCIE1500 in Spring**
- **Quota is very limited**
- **Excellent academic performance**
- **Students can apply to transfer to IRE after they are admitted to their intended major**
- **Applicants will be interviewed by School’s IRE committee**
- **Result will be released in July 2015**

SCIE 1000 SCIENCE SCHOOL INDUCTION



Year 1 student



Fall Term

Self-Exploration



Self-Understanding

- Attend a Self-Understanding Workshop
- Complete a Behavior Analysis (DISC)



Goal Setting & Planning

Submit a Personal Development Plan (PDP)



Spring Term

One-On-One meeting



Major Selection Advice

Meet with Pre-major Faculty Advisor



Advice on Student's Whole Person Development

Meet with School Advising Staff

FALL TERM SCHEDULE

7 Compulsory sessions:

1. 2 Sep: Induction: What University Education means to you?
2. 9 Sep**: Meet your pre-major faculty advisor**
3. 23 Sept: Introduction of School's co-curricular activities
4. 7 and 14 Oct: Student Sharing sessions (students can choose their favorite topics)
5. 17-21 Oct: Science Majors Week (any one session)
6. 28 Oct: DISC personality Test
7. 4 Nov: Personal Development Plan

Assignment:

Personal Development Plan

Fail:

Students who fail SCIE1000 will get 10 marks deducted for their exchange score.

SCIE1000 – MEET YOUR ADVISEE
(9 SEPT 6-6:50PM)

Objectives:

- **To introduce yourself to your advisees such that they can know something about you**. For example, what university did you graduate from? How did you end up teaching in HKUST? Briefly tell them what kind of advice you can give them

- **To understand your advisees' backgrounds, needs, aspiration or interest.**

Objective: To understand your advisees' backgrounds, needs, aspiration or interest.

Suggested Activity: Exploring Occupational daydreams

(Adapted from John L. Holland's The Self Directed Search, a guide to educational and vocational planning)

- **Divide students into groups of four or five**
- **Each student has to list the occupations he/she has considered in thinking about the future**
- **Each student has to share the following among his/her groupmates**
  - What factors affect your decisions to follow or give up any of these day-dream occupations?
  - How did you feel at that time?
  - How do you feel and what do you think NOW as you reflect and review?

Worksheet Sample:

SCIE1000 – meeting with your pre-major faculty advisor

Exploring Occupational daydreams

1. List below the occupations you have considered in thinking about the future or the careers you have daydreamed about as well as those you have discussed with others.

2. Put your most recent occupation choice in LINE 1 and work backwards to the earlier occupation that you have considered.

Occupation:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

(Adapted from John L. Holland's The Self Directed Search, a guide to educational and vocational planning)

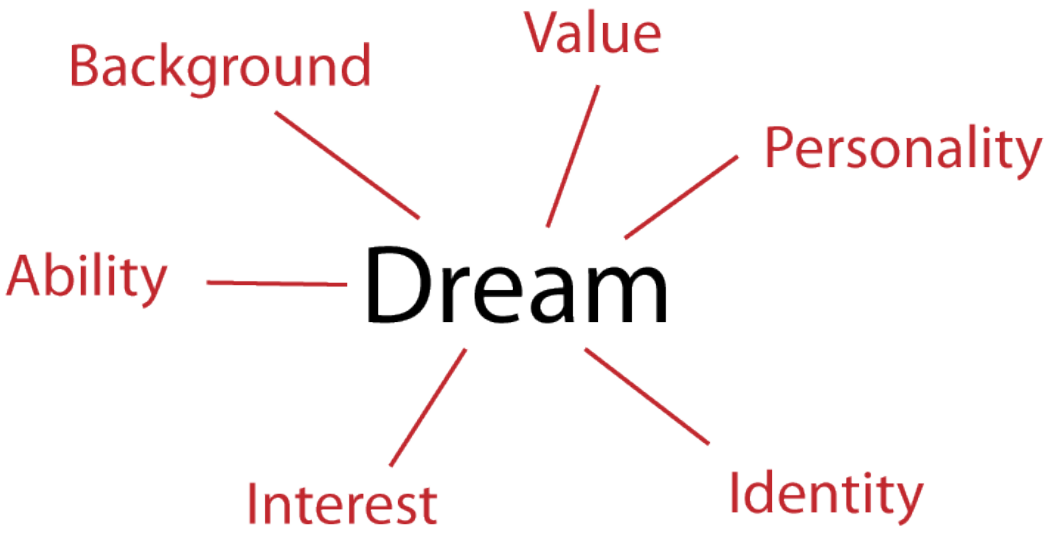
Sharing:

- What factors affect your decisions to follow or give up any of these day-dream occupations?
- How did you feel at that time?
- How do you feel and what do you think NOW as you reflect and review?

DISCUSSION:

Ask students what can they know about a person by knowing his/her daydreamed occupations.

Some possible answers:



Reflection:

To help you identify your major/career, it is important to understand yourself. In fact, Career Development Planning is not just about finding a job. It is an ongoing process of discovery as we learn more about ourselves and the world of work

SPRING

FOUR compulsory sessions:

- Major declaration Info session
- Career planning workshop
- Meet with Pre-major faculty advisor
- Meet with SCI/HOME advisor

TWO selective activities with emphasis on

- Major selection
- Alumni sharing
- Career related – meet the professional, industrial visit
- School-held seminars and talks

STUDENT PROFILE & ADVISEMENT SYSTEM



Key Features

For Students

-***Apply for enrichment programs***

-***View application status and history***

-***Make online advising appointment***

-***Maintain his/her profile***

-***Create Resume***

For Faculty and Staff

-***View Current Programs offering to Science Students***

-***Create and Manage Advising Appointment (for 4Y faculty mentor ONLY)***

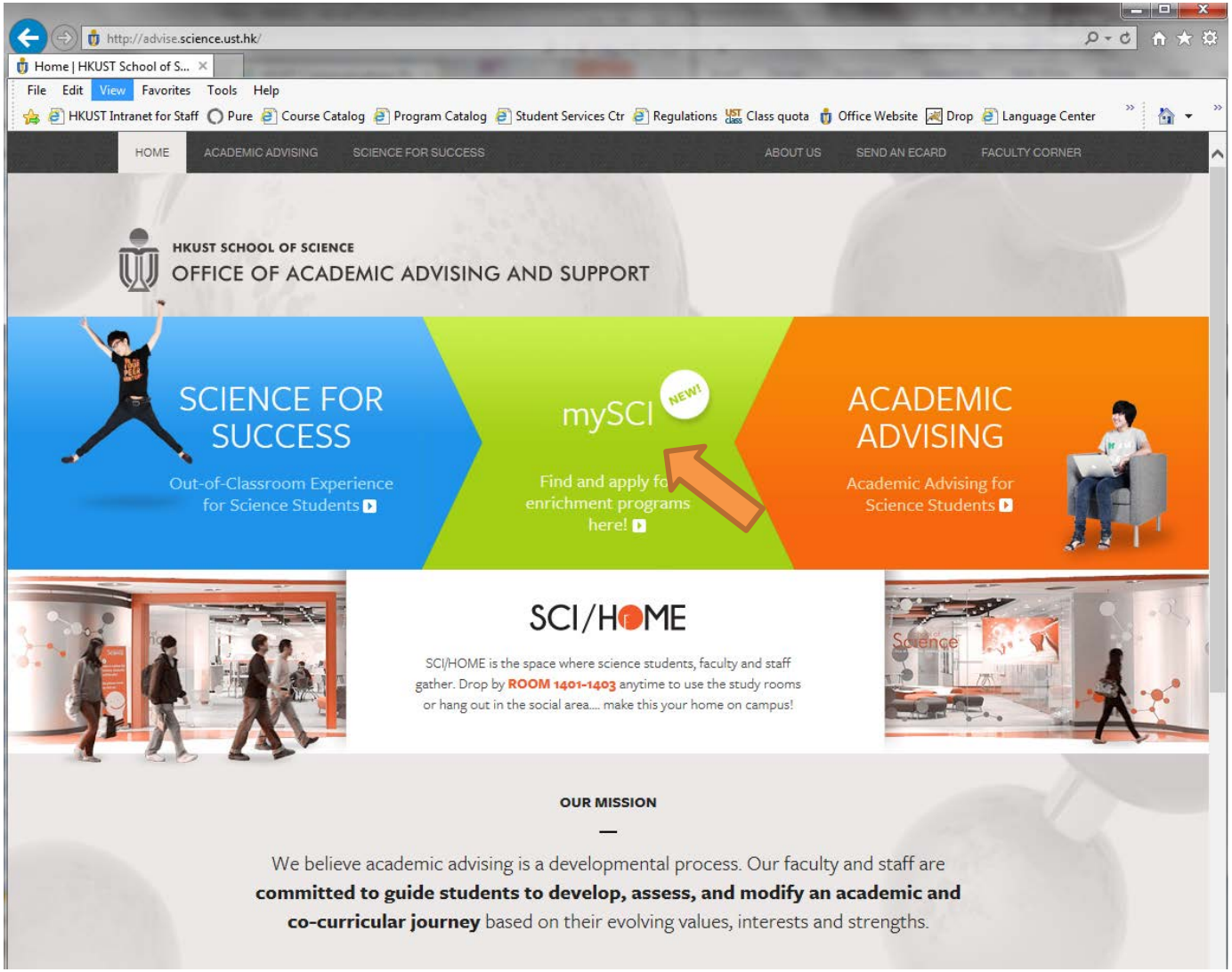
-***View student profile at one glance***

-***Record Advising comment (For faculty only)***

		SIS	MySCI
Student Particulars	Name, Academic plan, Academic level, email, Contact no., Address	√	√
	Photo	√	√
	Gender, Date of Birth, Secondary school	√	X
	Extra-Curricular Activity, Working Experience	x	√
	Computer skill, Language, Interest, Goal	x	√
	Awards/Qualifications	x	√
	Past activities record	x	√
Academic Record	Term GPA, Cumulative GPA, Course History, Public Exam	√	√
	Additional academic plan (e.g. minor or additional major)	√	x
	Past changes on academic plan	√	x
	Credit transfer Record (On entry, Exchange)	√	x
Advising	Timetable	√	x
	Transcript	√	x
	Graduation Requirement check	√	x
	Self-managed faculty mentor list	√	x
	Advising Appointment	x	√
	Advising comments (for Faculty only)	x	√

WEBSITE:

advise.science.ust.hk



https://devel2.science.ust.hk/mySCI-Demo



From: treephoning@gmail.com
To: Yee Lai
Cc:
Subject: Advising Appointment - Confirmation
Sent: 21/7/2014 (週一) 15:58

Dear Advising Staff,

Student has made an appointment with you! Please refer to the following details:

Student Name: Test, STU1

Student ID: 90190899

Date: 2014-07-29 (Tue)

Time: 09:00 to 09:30

Venue: SCI/HOME

Area of Concern: Not specified

To manage your advising appointment, please login to **mySCI** at http://advise.science.ust.hk (Advising Appointment)

Should you have any question, please feel free to contact us at advise@ust.hk.

Regards,
Office of Academic Advising and Support
School of Science, HKUST
Tel: (852) 2358 6086
Email: advise@ust.hk
Website: http://advise.science.ust.hk

Comments?

Questions?

THANK YOU!!!



