

Session:

A) The Role of the international Office, we mainly focus on the role of the Academic Affairs Division in international cooperation

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Title of the presentation:

The Profile and Development Strategy of International Collaboration on Education at SJTU

Abstract

Shanghai Jiao Tong University (SJTU), directly subordinated to the China's Ministry of Education, is one of the oldest and top universities in China. Targeting to be one of the worldwide top universities, SJTU has taken internationalization as one its main strategies. To implement this strategy, the Academic Affairs Division of SJTU, which is responsible for all undergraduate education programs, has played an important role.

First, this presentation briefly introduces SJTU, with focus on the profile of the international cooperation on education. SJTU has been actively involved in International academic exchange programs with oversea universities. To date, it has established close relations with more than 100 renowned universities and colleges in the world as well as connections with many research institutions.


Then, the presentation schemes the internationalization strategy of SJTU. To be one of the worldwide top universities, SJTU has made the 3-steps development strategy, for which international cooperation on education is take as one of the keys.

Finally, the presentation talks about the role of the Academic Affairs Division, one of the most important divisions at SJTU, in implementing international cooperation on education, mainly in 5 aspects. They are: (1) exploring new collaboration opportunities with oversea universities or institutes; (2) regular management and contact of the exchange programs; (3) recruiting the out-going exchange students; (4) assisting out-going exchange students for the outgoing procedure; and (5) dealing with the incoming students' academic issues such registration, courses selection and the course records.




The Profile and Development Strategy of International Collaboration on Education at SJTU

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Preview


- Brief Introduction of SJTU
- Internationalization Strategy of SJTU
- The Role of the Academic Affairs Division in International Cooperation



Brief Introduction of SJTU



SJTU is one of the oldest and top universities in China



1896, Nanyang Public School

1922, Nanyang University of the Ministry of Communications

1937, Public Jiao Tong University

1959 till now, Shanghai Jiao Tong University


 Shanghai Jiao Tong University

Located in Shanghai, an international, dynamic & prosperous city.






 Shanghai Jiao Tong University

SJTU has many outstanding alumni



Jiang Zemin
1947 electrical and mechanical department



Wu Weijian
1940, Mathematics




Yu Guangxian
1944, Chemistry

Winners of the State Supreme Science and Technology Award




Qian Xuesen
1954, ME


 Shanghai Jiao Tong University

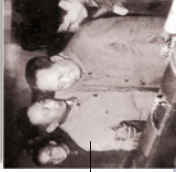
SJTU alumni have created many No. ONES in modern Chinese history

The earliest Chinese Typewriting in China




Zou Taofen

The first ship of ten thousands tons since 1949



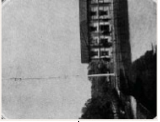
Zhu Rongji

The earliest inventor of diesel locomotive machine in China




Zhang Jinglin

The first rocket launched in China





Qian Xuesen

The earliest self-designed video in China





Zhou Enlai




 Shanghai Jiao Tong University

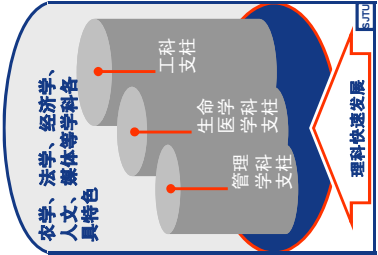
Academic Index

ITEM NAME	YEAR	INDEX	Rank in China
Academicians of the Chinese Academy of Sciences and Engineering	2008	16+19	3
973 Chief Scientists	2008	14 persons	3
Number NSFC Funding	2008	232	3
Graduate's quality for job	2008	Graduate's ability	1
Funds for Scientific Research	2007	1.28 billion	2
SCI Papers	2007	2331 pieces	3
EI Papers	2007	2748 pieces	4
MEDLINE Papers	2007	1194 pieces	3
Invention Patents	2007	621	1

Transferred from Engineering University to comprehensive one

- With three strong discipline groups in engineering, life science, and business;
- Quick progress in sciences; and
- Showing given features in agriculture, laws, social science, economics, and multimedia.





农学、法学、经济学、人文、媒体等学科各具特色

工科支柱

生命科学支柱

管理学科支柱

理科快速发展



Academic Schools (21)

Engineering (9): Naval Architecture & Civil Engineering, Mechanical & Power Engineering, Software Engineering, Electronics, Information Tech & Electric Engineering, Microelectronics, Materials Science & Engineering, Chemistry & Chemical Engineering, Environmental Science & Engineering, Information Security

Science SS(3): Mathematics, Physics, Chemistry



Business, Literature, Arts & SS(5): Humanities & Social Sciences, Economics & Management Law, International & Public Affairs, Media & Design, Foreign Languages

Life Science & Medicine(4): Life Science & Technology Medicine (merged with SSMU), Agriculture, Pharmacy

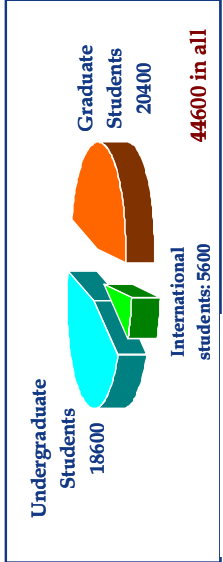



Academic Disciplines & Labs

- 170 Ph.D. programs
- 179 Master's programs
- 65 Undergraduate's programs
- 49 National Key Disciplines
- 5 State Key Laboratories
- 6 State Engineering Research Centers

Profiles of Students



Undergraduate Students 18600

Graduate Students 20400

International students: 5600

44600 in all

Faculty

- 3018 faculty members including 725 full professors
- 35 members of the Chinese Academy of Sciences and the Chinese Academy of Engineering.

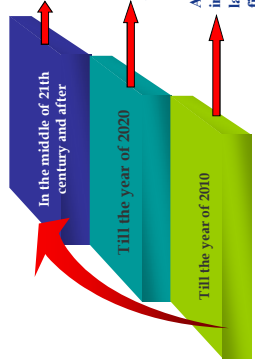
Internationalization Strategy of SJTU

SJTU is characterized by internationalization

- According to the most famous physical scientist QIAN Xuesen, all the courses offering, including the experiments, were the same as MIT in the late 1930s, SJTU was called "the Eastern MIT" at that time.
- In Sep. 30, 1978, education delegation of SJTU visited, America. It is the first Chinese university delegation visiting the USA.




1. Three-Steps Development Strategy of SJTU



SJTU will be one world first-class university.

- In the year of 2010: T11 the year of 2010. As one comprehensive, research, and internationalized high-level university, SJTU will lay itself a solid foundation for being one world first-class university.
- T11 the year of 2020: Some disciplines will become world first-class level, SJTU will start to enter the range of the world first-class universities.
- In the middle of 21th century and after: T11 the year of 2010. As one comprehensive, research, and internationalized high-level university, SJTU will lay itself a solid foundation for being one world first-class university.

Internationalization Targets for undergraduate education

- Enhance the teaching ability in internationalization, Push the construction of specialties where courses are all taught in English
- Continue to promote "Study Overseas Programs", let more and more undergraduates has the overseas experience
- Expand the scale of international students, build up one perfect management system

Year	Number of majors of which all courses are taught in English	Proportion of out-going students	Proportion of overseas degree student
2010	5	25%	6%
2013	8	30%	8%
2020	20	50%	10%

2. Promote cooperation with world-class universities

- Michigan University-SJTU Joint-School, Dual BSc. In ECE and ME;
- Georgia Institute of Technology (Dual MSc. Degree Program, Logistics Center, Summer School)
- MIT (CLFM Program ‘China Leadership for Manufacturing’)
- UC System 10+10 Program
- Universities 21
- Sino-French 4+4 Program, Graduate School, Engineer School

Some of the Universities in Partnership with SJTU

Europe: Technische Universität Berlin, Universität Stuttgart, TU München, Ruprecht-Karls-Universität Heidelberg, Ecole Centrale de Lyon, Ecole Centrale de Nantes, UCL, Université de Technologie de Compiègne, Groupe des Écoles des Mines, University of Birmingham, University of Cambridge, Cardiff University, University of Amsterdam, Delft.

Asia: NTU (Singapore), Kyoto U., Osaka University, Ritsumeikan University, Nagoya University, Hankyong University, Korea University, The University of Hong Kong, Hong Kong Univ. Of Science and Technology, Chiao Tung University, The Australian National University, University of Queensland.

North America: UC Berkeley, University of Michigan, Cornell University, Georgia Institute of Technology, University of Maryland, University of Minnesota, UCLA, MIT, USC, University of Waterloo, University of Montreal, UBC.

Currently, 19.4% of undergraduate students in SJTU have been involved in “Study Overseas Programs” for dual-degree program, short-term exchange and overseas internship.

SJTU students in the Wharton Business School

Students from Antai College of Economics and Management in UBC

SJTU students got UCLA A grade certificates

3. Foreign Students

Year	Graduate Students (毕业生数)	Enrollment (招生数)	In-School Students (在校生数)
2004年	~100	~150	~250
2005年	~150	~250	~400
2006年	~200	~350	~550

- Now, **5600** foreign students from over **60** countries are studying in **17** schools and about **1000** of them study for degrees;
- The number of exchange students and participants of summer programs from **Columbia University, UM, Purdue University, UCLA, GIT and TUB** has been increased from **16** in 2000 to over **300** in 2008.



Shanghai Jiao Tong University

4. Established First Chinese Graduate School (2002) in Singapore



More 400 Singapore citizens have got MBA degree from SJTU



Shanghai Jiao Tong University

5. Each School should have partners in substantial international cooperation

- **Medical School:** Université Panthéon-Sorbonne-Paris 1, 5 and 10
- **School of Economics and Management:** National University of Singapore, MIT, University of Southern California, University of British Columbia, Max I Business School
- **School of Mechanical Engineering:** the University of Michigan, Purdue University, the University of Queensland
- **School of EE:** Georgia Institute of Technology, Carnegie Mellon Uni. Technique University Berlin
- **School of Agriculture and Biology:** the University of Nottingham, UC Davis, Cornell Uni.
- **School of International & Public Affairs:** Columbia University, University of Bergen
- **School of Naval Architecture, Ocean and Civil Engineering:** UT Delft, National University of Singapore
- **School of Science, Math, Dept.:** Canzants university



Shanghai Jiao Tong University

6. Implement internationalization evaluation on schools

- Implement evaluation on some schools once a year and on the whole university every five years.
- Encourage schools to actively participate in international certifications:
 - Antai College of Economics and Management has become the member of EFMD, AACSB, AMBA and AAPBS, and finalized the certification of EQUIS in 2008. International certifications help the college promote its level in all-round aspects including teaching, scientific research, management, etc.



Shanghai Jiao Tong University

7. Increase number of the faculty members with overseas degrees

- Attract excellent overseas Chinese scholars and overseas talents to work in the university (by 2010, the proportion of faculty with doctorate degree conferred by overseas famous universities will increase to 20% from the current 11%).
- Financially support outstanding young teachers and administrative staff to receive training in world-class universities (100 persons per year).
- Support young and middle-aged faculty members to hold posts in international scientific organizations.



8. Promote international research cooperation

- Develop all-round cooperation with world-class universities, scientific and research institutions and enterprises.
- Attach great importance to the establishment of international production, study and research alliance and promote disciplinary development.
- Increase support to scientific and technological personnel in international cooperation.
- By 2010, increase the funds of international research cooperation to 150 million RMB from currently 50 million RMB.



The Role of the Academic Affairs Division in International Cooperation



Role 1: Exploring new opportunities for cooperation with overseas universities or institutes

There are mainly four divisions which are in charge of exploring new cooperation or program:

- Division of International Cooperation and Exchange
- Division of Academic Affairs (undergraduate program)
- International Education School (foreign student program)
- Graduate School (graduate program)

SJTU also encourage each school to develop program with overseas university or institute.



Role 2: Regular management and contact for the exchange programs

We do some work in keeping relationships with our oversea partners.

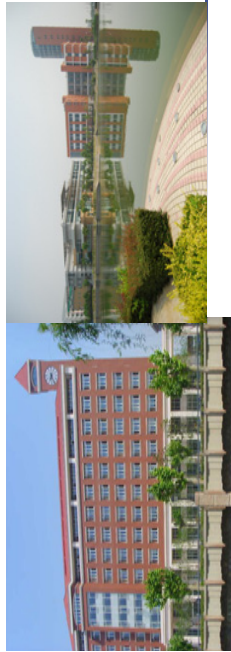


Role 3: Recruiting the out-going exchange students

Every semester, we will open the exchange program list on the website. At the same time, we ask the school administrators to assist in the propaganda. After application and interview, we determine our out-going student list.

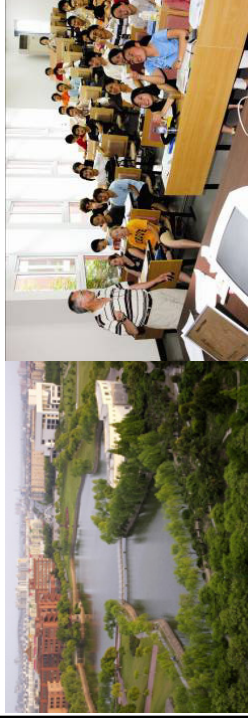
Role 4: Dealing with out-going exchange students affairs

- (1) Assisting the out-going students for the outgoing procedure
- (2) Manipulating procedure for the out-going students back to school, including credits auditing and transfer

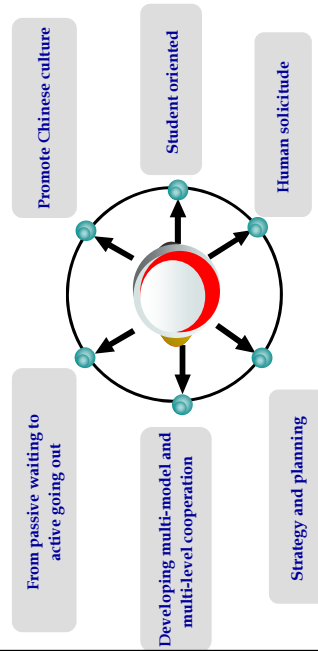


Role 5: Dealing with the incoming students' academic issues such as registration, courses selection and the course records.

Every semester, Shanghai Jiao Tong University also admits many students from the partner universities.

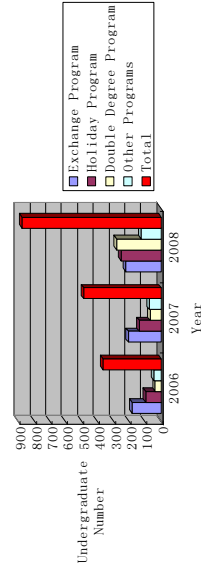


New attitudes for the international co-operations



Performance on overseas program

Out-going Undergraduate Number Chart



- ▶ The number of out-going undergraduates in 2008 doubled that the year of 2007
- ▶ More and more undergraduates enrolled in the overseas programs.



- ▶ The number of foreign degree students in 2008 is 3 times as much as that of five years ago
- ▶ In the year of 2008, SJTU has 115 postgraduates studying in the world first-class universities for dual degree programs
- ▶ In the year of 2008, the fund of international cooperation is 70 millions, increased by 75% over the past five years.



Internationalization is one of the Most Important Ways to for SJTU to Become a World-Class University!



Thanks !

