University of Macau
Annual Report for 2008/2009 Academic Year

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1. Introduction

The 2008/2009 academic year marked a year of productivity and success for the University of Macau. We have taken a number of steps demonstrating our vitality, ambition and determination to pursue the University’s long-term goal to become a first-class university. One of these was the establishment of a new campus on Hengqin Island - an unprecedented golden opportunity. We also implemented a number of major initiatives that helped strengthen our reputation in the region. Still, we must continue in our efforts. Recently, Peking University and Tsinghua University in Mainland China, the University of Hong Kong and Hong Kong University of Science and Technology in Hong Kong, as well as the National Taiwan University in Taiwan are all ranked among the world’s Top 100 universities. Hence, we must accelerate our transformation process so that our University will eventually stand with these highly competitive universities in this ranking.

In this respect, the University has formulated four major strategies to achieve its long-term goal to become a first-class university: creating a brand name for “elite undergraduate education”, enhancing the high calibre faculty, promoting research excellence and building a highly efficient and environmentally friendly campus. Meanwhile, the University also experienced a surge of transformation as a series of major projects accelerated the University’s progress toward excellence in teaching, research and service.

2. Strategic Initiatives

The University is very grateful for the support and guidance received from the University Council. During the year, four full council meetings and numerous subcommittee meetings were held, resulting in a number of new projects and establishments. The leadership of the University Council is critical for the realization of the new campus project as it represents all of us – our dreams, our perseverance and our ensuring an excellent educational environment for Macao’s future generations. In addition, the University Council also approved the launch of new programmes, the establishment of the Honours College, Global Affairs Office, Alumni Affairs Office, Research & Development Administration Office as well as the closure of the Centre for Pre-University Studies. All these are significant milestones that help to achieve our long-term goals and strategies.

During the year, the University Council also provided tremendous support and guidance on formulating the strategies of the University. Next, we report major activities achieved in the 2008/2009 calendar year.

2.1 Creation of a Brand Name for “Elite Undergraduate Education”
The Honours College was approved by the University Council on 19 December 2008 in order to provide a platform to bring together high-achieving undergraduates from all disciplines and to offer unique learning opportunities to enable them to become future globally competitive leaders. The selection process of the first batch of students for the 2009/2010 academic year was successfully completed in early 2009. After a vigorous selection process from the year-one student body of approximately 1,300 students, 41 students from 19 different majors demonstrated academic excellence, strong leadership potential, motivation and self-discipline and were, therefore, selected. Since they will be graduating in the year of 2012, we address them as the “Class of 2012”.

The Senate approved the undergraduate curriculum reform proposal in July 2009 and general education requirements were built into this model. The minimum credit requirement for bachelor’s degree programmes has been adjusted from the range of 132 to 144 credits to a range of 130 to 135 credits. This new curriculum will be implemented in the 2011/2012 academic year for all bachelor’s degree programmes. Several workshops specializing in undergraduate curriculum reform and general education have been organized for the concerned academics to have a better understanding of the purposes of general education, what an exemplary general education course might look like in their discipline and ideas for building, refining and designing general education courses.

The implementation of a new special admission scheme for Chinese Mainland undergraduate students (also known as the “2+2” programme) enables us to produce a greater number of outstanding graduates coming from Mainland China. The University collaborates with renowned national top 50 key universities so that selected students from these universities who have completed their first and second year of study can be admitted to our University to continue their third year and fourth year of study of relevant programme and subsequently, they can receive two bachelor’s degrees: one to be awarded by their home university and the other to be awarded by the University of Macau.

2.2 Enhancement of a High Calibre Faculty

To elevate our faculty development, the University conducted worldwide recruitment for leadership positions including the Dean of the Faculty of Business Administration, Dean of the Faculty of Science and Technology, Dean of the Honours College, Head of the Department of English and several others. Given the increase in student enrollment and new academic programmes, the University has also successfully recruited, through regional and international search, 51 new faculty members including 1 chair professor, 5 full professors, 5 associate professors, 32 assistant professors and 8 lecturers/instructors. In addition, 7 lecturers and instructors were promoted to assistant professors after completing their PhD degrees, while 18 assistant professors and 3 associate professors were promoted to associate professors and full professors, respectively. For 2008/2009, there were a total of 433 faculty
members including 1 chair professor, 37 full professors, 74 associate professors, 200 assistant professors and 121 lecturers/instructors.

On the other hand, after several rounds of discussions and meetings with academic staff on the issue of enhanced policy for the promotion of current academic staff and a new policy stating the contract conditions for assistant professors, the University Senate and, consequently, the University Council, approved these policies on 9 April 2009. The University adopted well-recognized practices within the international academic community to enhance its academic promotion policy by providing a clear definition for the standard dossier to be submitted for promotion applications as well as the requirement to seek external referees’ letters. Further to the existing panel assessment, a “University-level Academic Staff Promotion Advisory Committee” was also introduced to give additional advice and recommendation before final decisions would be made. Similarly, the University has revised the contract limits for assistant professors by offering two 3-year contracts plus 1-year non-renewable contract so as to provide well-defined career path for junior academic staff and to improve the overall academic quality of the University.

Indeed, considerable work has been done during the academic year in the hopes of motivating our faculty members to improve their productivity, advance their personal career, enhance their teaching and research performance and for their academic work and qualifications to achieve international recognition.

2.3 Promotion of Research Excellence

In 2008/2009, the Research Committee supported 88 renewed and 69 new projects as well as 39 key research areas related projects from various disciplines of individual faculties and the Institute of Chinese Medical Sciences (ICMS). Also, 21 research-grant applications from Science, Engineering and Chinese Medical Sciences were submitted to the Science and Technology Development Fund.

Research results from the past year led to 37 books, several of which were published by reputable international editing companies, 113 book chapters, 278 papers in academic journals with a high percentage published in prestigious refereed journals and 195 papers in international conference proceedings. The “UM Research Directory 2005-2008” was completed in January 2009, providing a record of published work of our academic faculty. The Microelectronics patent applied to USA three years ago was finally approved on 5 May 2009 and it became the first UM’s scientific patent in USA, while the split patent application originating from the approved patent is still in progress. Concurrently, two new applications from the same area are under preparation for applications to USA. Besides those, there are five China patents registered in the areas of Chinese Medical Sciences and Power Electronics.
For our Key Research Areas, additional key areas were defined including Youth Education, Criminology, History of Macau and Cyber-Physical Systems in the field of Computer and Information Science. The University has also set its goal to carry out an internal review in the next one to two years to identify well-qualified key areas for further development of Areas of Excellence (AoE), whereas an external assessment exercise following international standards will be implemented by the end of the 5-year period starting 2007. Furthermore, individual MOUs related to the potential establishment of State Key Lab Partner Labs in the areas of Microelectronics and Chinese Medical Sciences have been signed between the University of Macau and Fudan University as well as between the University of Macau/Macao Science and Technology University and Peking University, respectively.

With the University Library’s recent acquisition of the ISI Web-of-Knowledge/Web-of-Science database from Thomson Reuters, the world’s best in terms of indexation and citation of scientific papers from high-impact journals and conference proceedings, it becomes possible to consult the results obtained by our researchers in those publications. Those results contain the complete history of UM’s world-level scientific research. They are summarized in the following figure in terms of number of publications and citations per year, from 1981 until the end of August 2009, the total numbers of papers indexed 604 and cited 2,512.

The total postgraduate studentships sponsored in 2008/2009 were 148, of which 103 were Masters students and 45 were PhD students from various disciplines.

To better enhance the administrative operation in R&D, the Research and Development Administration Office commenced operation on 1 June 2009, aimed at coordinating and promoting academic and scientific related research activities of the University.

2.4 Establishment of a Highly Efficient and Environmentally Friendly Campus

2.4.1 New Campus Project

In January 2009, following a visit to Macao by Mr. Xi Jinping, Vice President of the People’s Republic of China, the University was informed of the possibility of building a campus on Hengqin Island and immediately began the process of revising the campus construction proposal. Starting from February 2009, the University carried out 21 consultation and briefing sessions to collect opinions on and off campus for revisions. A draft proposal on the “Preliminary Thoughts and Concepts on UM Hengqin Campus” was subsequently submitted to the University Council and was approved for submission to the SAR Government. On 24 April 2009, the SAR Government officially submitted a proposal to the Central Government. Finally, the bill proposing to authorize the Macao SAR to have jurisdiction over the new Hengqin campus site was submitted by the State Council to the NPC Standing Committee on 22 June 2009 and it was passed on 27 June 2009.
The building area of the new campus will be approximately 820,000 square metres and can accommodate 10,000 students. The preliminary plan is to set up eight faculties, with a system of ten residential colleges and three open research centres. Staff and students will benefit from the eco-friendly environment and modern teaching and research facilities. The plan also includes the construction of a tunnel linking Macao with Hengqin Island for the convenience of the University community. The new campus is expected to be ready for operation in three years.

Due to the development of the new campus, the development plan of the existing campus has been revised accordingly. For example, the application for additional land and some of the construction projects have been cancelled. Currently, the University is focusing on the construction of the Scientific Research Centre, the Academic & Administrative Building and the Staff Hostel Building.

2.4.2 Quality Management

To encourage the provision of quality services offered by the University, a “Quality Service Award Program (QSAP) 2008” was launched in November 2008 to recognize various units’ achievements in providing quality service. Moreover, the University conducted a “User Satisfaction Survey” to assess the degree of our users’ satisfaction towards administrative services and facilities as well as to enable the University to plan for continual service improvement and guarantee stable service quality.

For the purpose of strengthening the operation of our Quality and Environmental Management System (QEMS), several internal auditor training courses have been organized in order to train up a team of new internal auditors. And to cope with the upgrade of the certification standard, i.e. from ISO9001:2000 to ISO9001:2008, the University has started operating in accordance to the new standard since April 2009 and it successfully passed the relevant external audit in May 2009.

E-campus has been further strengthened and improved during this academic year. With the use of smart card technology, we have developed the portable Student Attendance Tracking System for activities and a smart control system for shuttle bus service provided to students. The implementation of smart access control system has been further extended to the University’s Sports Complex. The University completed the upgrade of the wireless network to the next generation and this would allow a more secure and convenient way for our wireless network users to connect to the network. Moreover, it developed diversified applications suitable for smart phone so as to strengthen the mobility of services. The University is now applying for the membership of EDUROAM – the roaming infrastructure used by international research and educational communities. This will enable the University’s
wireless network users to access wireless network at another institution that is also connected to EDUROAM using the same credentials. Meanwhile, the University has been preparing to upgrade the campus backbone to Gigabit Ethernet so as to meet the development of high bandwidth demanding applications.

2.4.3 Healthy and Safe Campus

With our continual commitment on promoting the concept of a “Healthy University”, the University has signed an agreement with the Hong Kong University of Science and Technology for establishing a high standard occupational health and safety system. Concurrently, the University is conducting a wide range of environmental activities such as the replacement of high-energy consumption facilities and the enhancement of the recycling project for the purpose of continual improvement and sustainable development. It will also continue to dedicate its full effort in securing a healthy and environmentally friendly campus.

3. General Academic Activities

3.1 Productivities of Academic Programmes

3.1.1 Enrollment (2008/2009 Academic Year)

There were a total of 98 PhD students, 1,272 Master’s students and 4,976 Bachelor’s students enrolled in academic year 2008/2009. This represented an overall increase of 3.9% when compared with the previous academic year. There were 1,221 degrees awarded, including 6 PhDs, 231 Master’s degrees and 984 Bachelor’s degrees. The quality of the PhD theses and the defense procedures met international standards and were witnessed by external examiners who were world-renowned experts in their respective academic fields.

3.1.2 Admission (2009/2010 Academic Year)

For admission into the 2009/2010 academic year, there were a total of 9,367 applications for PhD, Master’s Degree and Postgraduate Certificate, Bachelor’s Degree and Pre-University programmes. The University received a total of 3,807 applications for admission examination, a slight increase compared with the previous year. 878 students registered for admission. For “Recommended Direct Admission”, we received 429 applications (the top 10% of Macao secondary school students), representing a 5% increase in application. There were 211 students (among which 82 were granted scholarships) who registered for admission. In order to award those top students who attained outstanding scores in the admission examination, the “Admission Examination Scholarship” was offered and 23 registered students received the scholarship.
Our postgraduate programmes were widely recognized and well received among local, overseas and Chinese mainland applicants in the 2009/2010 admission. There were 1,581 applications for Master’s and Postgraduate Certificate programmes, representing an increase of 18% compared with the previous year. A total of 567 students, with an increase of 13%, were admitted. The PhD admission also experienced an increase of 26% in applications and registered figures.

For the Pre-University Studies programme, we received 590 applications, an increase of 11% compared with last year. The Pre-University Studies will offer its last year admission in the 2009/2010 academic year.

The University received 2,633 applications for Chinese mainland undergraduate student recruitment. The University admission score requirements remained equal to or above those of the key mainland universities. A total of 193 students were registered.

Online applications were implemented for the Bachelor’s degree programme, Master’s degree and Postgraduate programmes, Pre-University study programmes, in addition to Chinese Mainland Undergraduate programme for 2009/2010. Application could be automatically completed on-line and applicants were not required to submit paper documents to the University.

3.1.3 New and Revised Academic Programmes

The Academic Quality Assurance System was revised during the academic year to make it more comprehensive and referable. The flows for approving new and revised programmes were also streamlined to enhance the system’s efficiency.

New academic programmes approved in the 2008/2009 academic year include:
1. PhD in Communication
2. PhD in Psychology
3. PhD in Political Science
4. PhD in Sociology
5. Master of Science in Finance
6. Master of Education in Early Childhood Education and Human Development
7. Master of Arts in International Relations and Public Policy
8. Master of Social Sciences in Criminology
9. Bachelor of Science in Accounting
10. Bachelor of Science in Finance
11. Bachelor of Science in Gaming and Hospitality Management
The following existing academic programmes have completed the revision in the 2008/2009 academic year:
1. Master of Education in Educational Administration
2. Master in European Studies
3. Bachelor of Business Administration

New academic programmes according to the 5-Year Plan have started the planning process:
1. Master of Science in Accounting
2. Master of Social Sciences in Clinical Psychology

3.1.4 Honorary degrees

With the support of the University Council, it was decided to confer honorary degrees on Mr. George Herbert Walker Bush, Professor Gu Mingyuan, Professor Tu Weiming, Dr. Wang Meng and an honorary professorship on Professor Franco Maloberti in 2009. The conferral ceremony for Mr. George H.W. Bush was officiated by the Chair of the University Council with the presence of the Treasurer of the University Council, Rector, Vice Rector (Administration) and Registrar on 21 April 2009 in Texas, USA.

3.2 Academic Conferences / Seminars

The University continues to promote academic culture and enrich students’ knowledge and exposure in assorted areas by encouraging and supporting faculties to host academic activities such as academic conferences, seminars and lectures in various disciplines and on particular topics of interest and relevance. In this academic year, the faculties and research centres hosted and organized 31 conferences/symposia and 231 seminars/lectures (please refer to the appendix).

3.3 Outreach Activities

3.3.1 Networking and Partnership

In this academic year, the University established academic partnerships with over 170 academic institutions in 32 countries and regions. New academic cooperation agreements were signed with 18 academic institutions in Australia, Bangladesh, Brazil, Canada, China, Japan, Germany, Switzerland and Taiwan. Meanwhile, the University continued its participation in several associations including the International Association of University Presidents (IAUP), the Association of Universities of Asia and the Pacific (AUAP), University Mobility in Asia and Pacific (UMAP), the International Association for the Exchange of Students for Technical Experience (IAESTE), the Asia Pacific Higher Education Research Network (APHERN), the Associação das Universidades de Língua
Portuguesas (AULP), Conselho de Reitores das Universidades Portuguesas (CRUP), Eurasia-Pacific Uninet and the International Association of Universities (IAU).

3.3.2 Student Exchange and Internship

The University strongly supports and promotes various exchange, internship and short-term visits programmes to ensure students’ exposure to different cultures and activities. During the academic year, 133 foreign exchange students enrolled in our University and 124 UM students studied abroad. These students participated in a variety of programmes including the AYP Exchange Camp in Hong Kong, Choir and Sports Team Building Camp and Buddy Program Leadership in Guangzhou, Summer Internship Program in Shanghai and Beijing as well as Exchange Program to Austria, France, Finland, Hungary, Korea, Mainland China, Norway, Portugal and USA.

A year-three student was awarded the “Linguistic Excellence Scholarship for Students of Macao” by the Consulate General of France for attending a summer course in France to learn about French culture and language. A graduate from the Department of English received the Chevening Scholarship from the British Council for her master programme in the United Kingdom starting from September 2008. Also, a PhD student in the Translation Program received the Eurasia-Pacific Uninet Scholarship, supporting her scientific research in terminology translation in Austria for nine months.

3.3.3 Interaction with Local Communities

In 2008/2009, the University continued to provide services to the community in the areas of lifelong education, research and development, training and consultancy.

The Centre for Continuing Education (CCE) provided 81 external training courses (including in-house training courses for government departments) with a total of 2,631 lecturing hours for 2,072 students. The Centre offered a series of continuing education training courses including Distance Education Courses with the Chinese University of Hong Kong and the Diploma in Library Professional Skills with the Macau Library and Information Management Association. Moreover, the Centre offered additional diploma and short-term courses including the Advanced Diploma in Business Management, Advanced Diploma in Human Resources Management, Diploma in Financial Risk Management as well as short-term courses such as the Professional Knowledge of Jewelry and Selling Skills, Financial Market and Investment Analysis, etc. It also jointly organized various training courses with the Education and Youth Affairs Bureau (DSEJ), and in collaboration with the Labour Affairs Bureau, a certificate course on Occupational Safety and Health Management. Aside from courses for general public, the Centre also provided in-house training programmes for the Public Administration and Civil Service Bureau (SAFP) and the Macao Prison (EPM).
Commissioned by the Education and Youth Affairs Bureau (DSEJ), the Faculty of Education (FED) has organized nine individual programmes amounting to 1,324 teaching hours. On the other hand, a five-year research project for establishing the Macao Tertiary Education Research Data system (MOTERDS), funded by Tertiary Education Service Office (GAES) commenced in June 2008. During the year, the Macau Sport Development Board has also invited the Faculty of Education to undertake two surveys related to public satisfaction with the network of public sports facilities, interest class, rehabilitation course, physical fitness test and facility. The Faculty of Education also carried out four school-improvement projects for high schools in Macao in 2009.

The Faculty of Science and Technology (FST) also collaborated with the Education and Youth Affairs Bureau (DSEJ) to promote science education among high school students in Macao by participating in “The 22nd National Chemistry Competition and Winter Camp for High School Students” held in Xi’an, China in January 2009. A science promotion workshop co-organized by FST and Pui Ching Middle School was held in July 2009. The workshop was designed to update science high school teachers on the latest technology development knowledge and to provide them with information on college admission and job market trend. Similarly, the Institute of Chinese Medical Sciences (ICMS) cooperated with the Association for Promotion of Science and Technology (MAPST) and International Society of Chinese Medicine in Macao to organize a series of biological education enhancement workshops through the funding support from the Education and Youth Affairs Bureau (DSEJ).

The venue of Adelson Advanced Education Center was handed over to the University of Macau in January 2009. The Centre is a collaborative project between Venetian Cotai Limited and the University of Macau. It aims to provide advanced education and management skills for local talent in non-gaming business disciplines such as conventions and exhibitions, entertainment, retail and integrated resort management.

### 3.4 Student Activities

To help first-year students adapt quickly to their new academic and campus environment, the University organized the 4th Mentorship Programme in which each new student was assigned a faculty member who acted as his/her mentor throughout the year. In addition, the 6th Peer Support Program enabled senior students to give support and guidance to new students within the same major or faculty. The University also organized the 4th Spring-Psychological Health Ambassador Program in which selected students were trained to become psychological health ambassadors who assisted in hosting activities to promote awareness of psychological health and to provide emotional support to their peers.
For the holistic development of our students, the University offers various training programmes and workshops including Presentation Skills, University Study Skills, Leadership Development Camp, Secret to Social Success and Business Etiquette. Furthermore, the Whole Person Development Award Programme was organized to encourage all degree-programme students to participate in various extracurricular activities, cultivating a well-balanced development in the SPECIAL areas (Social, Physical, Ethical, Career, Intellectual, Art and Leadership), thereby fostering their habits of lifelong learning.

In addition, the University’s Community Service Project Competition was organized to foster students’ civil and social awareness through planning and implementing community service projects. A Pen-pal Programme was developed for our students and children in the Youth Correctional Institute to exchange mutual friendship and learning through letter writing.

As in previous years, our students participated in a number of local and overseas competitions and achieved excellent results. In 2008/2009, our students were awarded prizes in a wide range of activities including “The 13th FLTRP Cup National English Debating Competition (FLTRP)”, “The 7th Macao-wide English Speaking Competition”, “The 6th Macao Inter-Tertiary English Debate Competition”, “The 6th Macao Varsity Debate Contest (Putonghua)”, “The 14th China Famous Universities Debate Contest”, “The 6th Famous Debate Union International Contest”, “The 13th National University Fencing Championship”, “The 4th Hong Kong International Martial Arts Competition”, “The 8th Hong Kong Dragon Boat Short Course Races”, “The 7th National University Sport Climbing Championship and International University Invitational Sport Climbing Tournament”, “The 5th Macao Varsity Chinese Essay Competition” and “The AIA – Quest for the Champion Communication Competition”.

4. Financial Management

4.1 Budget for Fiscal Year 2009

The Government subsidy amounting to MOP517.9 million for fiscal year 2009 was granted to the University, representing an increase of 15.8% over the Government subsidy of MOP447.2 million for fiscal year 2008. Together with its self-generated income, the University’s total budget for fiscal year 2009 is estimated to be MOP795.9 million. A subsidy for “Administration’s Investment Plan and Development Expenses (PIDDA)” amounting to MOP266.4 million was also granted to the University as financial support mainly for the construction of the Scientific Research Centre, Academic & Administrative Building and Residential Buildings, as well as the design of various buildings and campus facilities improvements.

4.2 Donations
During the academic year 2008/2009, the University received a donation of MOP500,000 from Venetian Macau Limited and MGM Grand Macau respectively for the development of the Institute for the Study of Commercial Gaming.

Besides, a donation of HKD30,000 equivalent to MOP30,900 was also received from the Fong’s Family Foundation for the Faculty of Business Administration to organize the Fong Yun Wah Distinguished Lectures with the topic on “The Essence of Hospitality Management and Its Progress in Asia”.

5. **Challenges and Future Actions**

With the dedicated effort and support of all university members, we have witnessed a great deal of progress during this academic year. Nevertheless, with progresses come inevitable new challenges and obstacles in the course of its development.

1. One of our challenges is to identify and define the characteristics of the Macao people and the students at the University of Macau. This is necessary as we want to establish and solidify a campus culture that truly reflects the heritage and tradition of the Macao community.

2. We must carefully balance the depth and speed of transformation in order to maintain its development stability and meanwhile, expedite its structural transformation. It is through designing and re-designing regulations and systems that the University hopes to seek solutions that will not only deal with daily issues more efficiently but will also greatly enhance the existing governing structures and regulations.

3. The University must be well prepared for the adverse effect caused by external market competitions such as the newly-implemented programmes in the nearby regions: the “1000-stars programme” in Mainland China, the “334 education reform” in Hong Kong, new measures and strategies launched in Taiwan and Singapore, etc.

4. Aside from neighbouring market competitions, the University must also be cautious in dealing with excessively high expectations arising from the society as well as the society’s extreme sensitivity on issues related to the future development of the University. However, such expectations, sensitivities and concerns should, under no circumstances, affect the University's perseverance to achieve tranquil serenity for academic and research development.

In anticipation of all possible challenges and obstacles ahead of us, it is imperative that we seize every opportunity to establish stronger rapport both internally and externally and by all means, initiate new series of tasks and projects in order to realize the long-term goals defined by the University. Meanwhile, the University will accelerate the new campus project to bring fulfillment to the creation of the best people-oriented campus in the region, thereby fostering the University of Macau’s development into a first-class university in the country and beyond.
Academic Events 學術活動

Conference/Symposia 研討會

1. 2009 Cross-strait Conference on School Improvement and University-school Partnership
2. 2009 IEEE International Conference on Information and Automation
3. An International Symposium on Political Culture and Civil Society in Macao, Hong Kong, Taiwan and Mainland China
4. Asia Pacific Microwave Conference 2008
5. CESHK Annual Conference 2009 – Post-Colonial Education Development
11. IEICE AP Technical Meeting 2009
13. International Conference on “Americans, Macao and China 1784-1950: Historical Relations, Interactions and Connections”
15. International Symposium on Global Developments in Steel Structures
17. International Symposium Secessions and Secessionist Movements Today
19. Symposium on “UM New Campus on Hengqin Island and the Regional Integration”
20. Symposium on Ground Improvement Techniques
21. Technical Symposium on Profiled Steel Deckings in Steel and Composite Structures
23. The 1st Annual Conference: World Accounting Frontiers Series
24. The 1st International Interdisciplinary Conference on Macao Studies: Intercultural Exchange between East and West
25. The 3rd International Conference on Public Management in 21st Century: Opportunities and Challenges
27. The 9th IEEE (HK/Macao) AP/MTT Postgraduate Conference
28. The Annual Symposium of English Immersion Programme on Curriculum and Teaching (CCUEI 2009)
29. WIP Meeting 2009
30. 中醫藥創新與發展國際研討會
31. 《全球化背景下之澳門法律改革》國際研討會
Faculty of Business Administration

1. VIP Gaming Rebate on Actual Loss
2. Why do Your Friends Gamble Too Much
3. Casino Mathematics Workshop – The Role of Mathematics in Problem Gambling Prevention
4. Conference and Event Management: From Planning to Execution
5. Corporate Governance Seminar: Corporate Governance and Value Creations: Lessons from the Recent Global Financial Crisis
6. CPA Australia Meet the Masters Career Forum
7. Delivery of Exceptional Customer Service: The Ritz Carlton Case
8. Does the Subprime Crisis falsify Friedman, Fama, Sharpe and Lintner?
9. Financial Constraints, Mispricing and Corporate Investment
10. Forming and Reacting to Overall Fairness: A Cross-cultural Comparison
11. Globalization and the Hospitality Industry
12. How Much do You Know about MICE?
13. Macao Applicants – What Skills Are We Lacking?
14. Marketing to Rural Indian Consumers
15. Problem Gambling Treatment Workshop
16. Seminar on “Yen Carry Trades”
17. The Essence of Hospitality Management and Its Progress in Asia
18. The Role of Mathematics in Risk Analysis and Control
20. The Sudden and Amazing Collapse of the American Casino Industry: Explanations and Projections
22. Understanding and Applying the Science of Social Influence
23. VIP Gaming Rebate on Actual Loss
24. Why do Your Friends Gamble Too Much
25. Why Some Countries Thrive Despite Corruption: the Role of Trust in the Corruption-Efficiency Relationship

Faculty of Education

1. Foreign Language Immersion as an Educational Innovation in the World – Its Effects and Experience in China
2. Lecture Series by Renowned Educators – Series 5 “The 21st Century Teachers’ Professional Development & Moral Education”
3. Seminar Series I “I am a University Student! – A Brief Talk on the Value of University Education”
4. Seminar Series II “Morality of Mass Media and University Students”
5. Seminar Series III “Achievement in Spirituality Education: Who is the ‘Boss’?”
6. Seminar Series IV “All about Love”
7. Seminar Series V “There is a City called Macao - A Re-identification of Macao Through its City Space”
8. Seminar on “Spatial Measurement Content in Elementary Curricula in the U.S.”
9. Seminar on “Teaching with Variation in Mathematics – From Theories to Practice”
10. Seminar on “Chinese Arts and Activity of Cultural Creativity and Other Concerned Activities”
11. Seminar on the “New Chinese Curriculum for Senior Schools in Hong Kong”
12. Workshop on “Improving School Science Curriculum and Instruction in Macao”
14. Workshop on “Story-telling by Teachers”
15. Workshop on “Writing of School History”

Faculty of Law 法學院

1. 2009, Challenges of the EU
2. A Lei aplicável ao contrato na Arbitragem Internacional
3. A Participação dos Trabalhadores nos Órgãos Sociais das Empresas pertencentes ao Estado ou a outras Entidades Públicas
4. A política de Justiça em Portugal e o papel das Novas tecnologias na área da Justiça
5. Anti-money Laundering: A Roundtable Discussion
6. Bases de dados do ADN: Fins de investigação civil, criminal e de investigação
7. Breves Reflexões sobre a Tutela Cautelar no Contencioso Administrativo de Macau
8. Casamento Entre Pessoas do Mesmo Sexo
9. China, Regional Trade Agreements and WTO Law
10. China’s Development and Improvement of Intellectual Property Rights
11. Combating Maritime Piracy and Terrorism – A European Perspective
12. Conflict of Laws within China: One Decade’s Achievements and the Way Forward – What Might Be Learnt from the Experience of the EU
13. Direito: Sangue e Afectos
14. Direitos Humanos e Novas Tecnologias: caso das Comunicações Electrónicas
15. Direitos Humanos e Novas Tecnologias: caso das Comunicações Electrónicas
16. EU Intellectual Property Law
17. EU Trade Policy, Implications after the London Summit
18. EU-China Relations
19. Euro-American Lessons To Be Rejected: The Modular Approach to Negligence Law
20. European Integration: Towards a Constitutional Dimension?
21. European Union Environmental Law through the Eyes of an Operator (the Portuguese Environment Agency’s Experience)
22. European Union Law and International Law
23. European-Union Asia Relations: A Research Agenda
24. Free Trade in the E.U. – the Role of the European Court of Justice
25. International Financial Crisis: Effects on BRIC and EU
27. Interpreting the EU Law: The (Re)birth of a European Tradition
28. Introumção nas telecomunicações como meio de prova em processo penal
29. O Défice de Democracia na União Europeia e o Poder de criminalizar um determinado Comportamento
30. O Estatuto Jurídico do Clone Humano: Impacto nas relações familiares
31. Os grandes desafios ao Direito Público no Século XXI
32. Patrocínio Judiciário em Moçambique
33. Perspectivas do Poder Orçamental da Assembleia Legislativa
34. Regionalisms Compared: The EU and SADC Legal Responses to the Global Water Crisis
35. Seminar on Legal Procedure Reform (Civil and Criminal)
36. Taïwan’s Criminal Procedure Code changes – To the Prosecutor as the Central
37. The Basic Law and Hong Kong’s Constitutional Development
38. The Contribution of the Law to Reversing Short-Termism in Financial Markets: The Case of Securitizations and Credit Rating Agencies
39. The Current Agenda of the European Union - A Personal View
40. The Development and the Evolution of Modern International Criminal Law
41. The EU Regulation on the Law Applicable to Contractual Obligations
42. The EU Water Framework Directive in Light of Customary International Law
43. The European Answer to the Challenges of Globalization
44. The European Community’s Water Framework Directive: The Missing Piece in the European Legal Mosaic of the Protection and Management of Freshwaters?
45. The Founding of China’s Criminal Legislation of the Sixties Retrospect and Prospect
46. Three Decades of Reform and Opening Up a Number of Issues of Justice Research in China – A Judicial Precedents as the Center
47. 建國法學六十年

Faculty of Social Science and Humanities 社會科學及人文學院

1. Left, Right and Center: The Place of Confucianism in Contemporary China
2. Indonesia’s Future Development In Asia And its Relationship With China
3. A Cross-cultural Comparison of Contributions of Personality Traits to Career Exploration among Hong Kong and American University Students
4. A Dramaturgical Study of Merry Thought’s Songs in The Knight of the Burning Pestle
5. Abuse of Older Chinese with Dementia
6. An Anatomy of Commerce and Consumption: Merchants and Opium at Batavia over the Long Eighteenth Century (c. 1684 - 1796)
7. Asian Americans’ Experience with Discrimination in the United States
8. Bilingual Education in Rural Tibetan Township – Toward a Paradigm of Governance
9. Casino Capitalism and the Legitimacy of the Politico-Administrative State in Macao
10. Chinese Set Phrases in Subtitles: A Pragmatic Perspective
11. Comparison of ADHD Symptoms: Japanese vs. U.S. College Students
12. Comparisons of Chinese and European American College Students on Individual Differences Variables Hypothesized to Predict Self-reported Interpersonal Competency
13. Department of History Forum I: Tracing Local and Global Culture
14. Does Modernization Theory Predict a Democratic China?
15. EU-China relationship in Transition: Challenge and Opportunity
16. European Influences on Chinese Cartography
17. First Philosophy Debate: Is Capitalism Good or Bad?
18. Gender Differences in Associational Participation and Instrumental Returns in Macao
19. Heritage Preservation in Macao
21. Hong Kong and Macao Identity at a Crossroad in the Post-colonial Era: Tracing the Dynamics through the Lens of Architecture
22. Incorporating the USSR: The Soviet Union, Decolonization and the World Economy
23. International Symposium Seccessions and Secessionist Movements Today
24. International Trends for the Drug Prevention, Control and Correction
25. Investigating the Cultural Dynamics of English in Southeast Asia: A Filipino Case Study
26. Involve Family and Friends in Promoting Smoking Cessation Among Chinese Americans
27. Ireland, Colonial Science and the Geographical Construction of British Rule in India, c.1820-1870
28. Life Stories: Modeling Variation Across Instantiations of the ‘Same’ Text
29. Macao and the Evolution of Early Sino-American Relations
30. Macao: An ‘Anthropological Place’?
31. Making the Family Modern in Javanese Society, 1870s – 1945
32. Poetry, Translation and Culture – Writing about Macao
33. Policing with Chinese Characteristics: A Theoretical Perspective
34. Political Liberalism and Reform in China
35. Properties of Registers and Properties of Translations: Corpus Architecture, Operationalizations and Some Findings
36. Re-presenting Chinese Identity in Toronto and Shanghai: Comparison between Pacific Mall and Tian Zi Fang
37. Secession, Independence and the Civil War: The American Precedent
38. Sherlock Holmes and the Case of the Cold Consultant
39. Signing and Language Development of Two-Year-Old Twins in Macao
40. Social Development in Xinjiang: A Documentary Report
41. Status of Law and Corruption Control in Post-reform China
42. Stories of the British Kings
43. Summary Writing in Academic Contexts: Implicating Meaning in Processes of Change
44. Syria between Progress and Tradition
45. The 2008 U.S. Election: Culture War
46. The Archaeological Evidences about Early Sino-Western Contacts
47. The Art of Annotation
48. The First Carlist War: War, Politics and Society in Cristinist Spain, 1833-1840
49. The German Question, Europe and International Order (1871-1990)
50. The Mascot: The Extraordinary Tale of a Jewish Boy’s Survival in a Nazi Unit
51. The Own-race Advantage in Face Recognition
52. The Spiritual Life of Modern Chinese
53. The Uses and Values of Stone Inscriptions in Doing Historical Research – The Case of Taipa
54. Translation Strategies: What and How?
55. Trivializing the Lunatic Crime Rate: Theory, Praxis and the Global Economic Meltdown
56. Two Seminars on Anti-trafficking Policy and on Issues Surrounding Sex Work
57. Values of the Past and the Future: Cultural Differences in Temporal Value Asymmetry
58. Victimization and Involvement in Social Control: Effects of Neighborhood Conditions
59. Victorian Women Travelers in Egypt: Picturesque Views off Cairo and Surroundings
60. Violence, Punishment and the Modernization of Norms: China at the Cross-Roads
61. What Kind of U.S. President will Barack Obama Make?
62. Which is the 21st Century’s Biggest Problem – The Middle East or China?
63. Women in the War of Resistance Against Japan: A Documentary of Interviews with Women Soldiers from the Time
64. Workshop on “Conceptual Planning on Macao’s Urban Development”
65. Writing Quanzhou: How to Represent China in the 21st Century
66. 施政報告論壇: 特區政府 2009 財政年度施政報告
67. 為何基層市民安居樂業夢難圓? 澳門的社會問題兼談對青年人的期望

Faculty of Science and Technology 科技學院

1. A Mathematical Model for the Control and Eradication of a Wood Boring Beetle Infestation
2. A Method for Measuring Co-authorship Relationships in MediaWiki
3. Adaptive Data Analysis Methods: With Some Biomedical Applications
4. Admissible Wavelets and Inverse Radon Transform on the Heisenberg Group
5. Advanced On-Chip Electrostatic Discharge (ESD) Protection Solutions for Digital, Analog and RF Integrated Circuits
6. Air Quality Prediction by an Efficiency-Robustness Tradeoff Adaptive Model: A Study in Macau
7. Algorithms for Modeling and Simulation of Electronic Circuits
8. Analytic Solutions of Iterative Functional Equations
9. Application of Robots in Aeronautic Manufacturing
10. Automated Handling on the Nanoscale
11. Biologically Inspired Intelligent Systems and Applications to Robotics and Control Systems
13. Biomedical Engineering Seminar Series (VII): Biomedical Engineering and Traditional Chinese Medicine
15. Camouflaging Technologies in Cyber Space
16. Design of Cold-formed Stainless Steel Structures
17. Detection for Dim Moving Point Target in IR Image Sequence Based on Tensor Locality Preserving Projections
18. Diagnosis and Strengthening of Existing Structures: Engineering Applications
19. Distinguished Lecture on “Smart Adhesively Bonded High-Performance Joint for Composite Structures” and “Integration of Education and Mentoring Programs at Louisiana State University”
20. Distinguished Lecture: A New Calibration Technique for CMOS ADCs
22. Distinguished Lecture: Flexible VLSI Architectures for UWB, MIMO and Cognitive Radio
23. Distinguished Lecture: RF and Millimeter-Wave Transceivers: Present and Future
24. Distinguished Lecture: Staircase to Heaven, Healing the Earth
25. Distinguished Lecture: State Space Realization of a 3D Image Set with Application to Noise Reduction of Fluorescent Images
26. Exotic Option Pricing under NIG Model
27. Formal Approaches to Web Services
28. Frame Approximation in Clifford Analysis
29. Guest Lecture: An Integrated Approach for Agricultural Ecosystem Management
30. Harmonic Analysis for Reflection Groups
31. Hilbert-Huang变换HHT：经验模态分解与经验模态频率分解
32. Innovative Technology and Wisdom
33. Integration of Education/Research/Mentoring Programs
34. Intelligent CG System
35. Manifold Learning: Graph Laplacian and Dimensionality Reduction
36. Mechanics of Water Waves over a Viscoelastic Muddy Bed
37. MGM GRAND MACAU: Design and Construction
38. Model Test and Investigation of Large Span Bridges
39. Modeling of Adhesively Bonded Composite Structures
40. Necessary and Sufficient Condition for Bedrosian Identity In Terms of Boundary Values of Functions in Hardy Spaces
41. Particle Simulations: the Case for Smoothed particle Hydrodynamics
42. Physical Design Automation of A Transistor Network
43. Polynomial Sine Transform with Minimized Mean Square Error for Noisy Data
44. Possibilities and Direction on Research of Historic buildings
45. Project Management – Lessons Learnt From Taiwan High Speed Rail Project
46. Recent Advances in Hilbert-Huang Transform (HHT)
47. Sampling Attacks Against Hidden Web Databases
48. Science in Forbidding Places
49. Soil Improvement and Settlement Compensation by Grouting
50. Soil-Pipeline Interaction on the Seabed
51. Some Issues in Discontinuous Dynamical System Theory and Applications
52. The Information Processing Scheme on Systems Biology and its Applications
53. Trefftz, Collocation and Other Boundary Methods
54. Value Distribution Theory Related to Number Theory
55. Vision-Based Autonomous Robot Navigation
56. What Can be Done and What Cannot be Done with HHT
57. Wireless Communication Seminar Series: Dynamics of Semiconductor Lasers
58. Writing for Science Magazine
59. Zalcman Lemma and its Applications
60. 土木工程與城市文明
61. 中國水資源與水環境
62. 脆性材料加工技術的新進展
63. 屬性數學與人工智慧

Institute of Chinese Medical Science 中華醫藥研究院

1. Application of Illumina/Solexa Sequencing Technology in Genetic Research
2. Introduction on the Theory and Application of Innovation Economics
3. Medical Systems Biology of TCM, A Systematic Molecular Approach to the Mode of TCM Actions
4. Monolithic Columns and Supports in Different Formats for a Variety of Applications
5. Natural Products as Novel Anti-Cancer Agents: Molecular Mechanisms and Potential Application
6. The Impact of Environmental Conditions on Population Health
7. Unlocking the Molecular Secrets of Chinese Medicine — A Platform for Drug Discovery
8. Zebrafish and Medaka as Experimental Models for Human Neurodegenerative Diseases and Bone Disorders
9. 中藥固體製劑的創新策略與方法
10. 中藥發展中的新問題
11. 從仿製到創制：中國制藥工業面臨的管理挑戰
12. 新劑型與新技術在中藥現代化研究中的應用
13. 滲透泵控釋技術的原理與應用
14. 藥物經濟學的分析模型選擇