



11 Jun 2013

Pengarah, Akademi Pengajian Islam  
Pengarah, Akademi Pengajian Melayu  
Dekan, Fakulti Alam Bina  
Dekan, Fakulti Bahasa dan Linguistik  
Dekan, Fakulti Ekonomi dan Pentadbiran  
Dekan, Fakulti Kejuruteraan  
Dekan, Fakulti Pendidikan  
Dekan, Fakulti Perniagaan dan Perakaunan  
Dekan, Fakulti Pergigian  
Dekan, Fakulti Perubatan  
Dekan, Fakulti Sains  
Dekan, Fakulti Sains Komputer dan Teknologi Maklumat  
Dekan, Fakulti Sastera dan Sains Sosial  
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Pengarah Eksekutif, Institut Asia Eropah  
Pengarah Eksekutif, Institut Antarabangsa Polisi Awam dan Pengurusan (INPUMA)  
Pengarah, Institut Kepimpinan Pendidikan  
Pengarah, Pusat Kebudayaan  
Pengarah, Pusat Sukan

YBhg. Dato'/Datuk/Datin/Tuan/Puan,

## Hasil pembelajaran program sarjana dan kedoktoran secara penyelidikan

Dengan hormatnya saya merujuk kepada perkara di atas.

Adalah dimaklumkan bahawa Senat pada 23.5.2013 telah bersetuju meluluskan Hasil Pembelajaran Program Sarjana dan Kedoktoran Secara Penyelidikan di Universiti Malaya dan dikuatkuasakan kepada calon mulai sesi masuk 2012/2013.

Hasil Pembelajaran Program Sarjana dan Kedoktoran Secara Penyelidikan yang dirangka adalah mengambilkira 7 domain yang terdiri daripada P01 – P07 seperti berikut:

|     |   |                                                                |
|-----|---|----------------------------------------------------------------|
| P01 | - | Pengetahuan                                                    |
| P02 | - | Kemahiran Praktikal                                            |
| P03 | - | Kemahiran dan Tanggungjawab Sosial                             |
| P04 | - | Nilai, Sikap dan Profesionalisme                               |
| P05 | - | Kemahiran Komunikasi, Kepimpinan dan Kerja Berpasukan          |
| P06 | - | Kemahiran Penyelesaian Masalah dan Kemahiran Saintifik         |
| P07 | - | Kemahiran Pengurusan Maklumat dan Pembelajaran Sepanjang Hayat |

Bersama in dilampirkan Hasil Pembelajaran Program Sarjana dan Hasil Pembelajaran Kedoktoran Secara Penyelidikan seperti di lampiran B (1PS 345/2013) dan lampiran C (IPS 346/2013) untuk rujukan PTj.

Sehubungan dengan ini, diharap pihak YBhg. Dato'/Datuk/Datin/tuan/puan diminta mengambil maklum dan tindakan mengenai perkara ini.

Kerjasama YBhg. Dato'/Datuk/Datin/tuan/puan dalam hal ini diucapkan terima kasih.

Sekian, salam hormat.

Yang benar,



**PROFESOR DATIN DR. NORHANOM ABDUL WAHAB**

Dekan

Institut Pengajian Siswazah

*unsw 4/17*

sk Timbalan Pengarah/Dekan (Ijazah Tinggi) PTJ  
Timbalan-Timbalan Dekan, IPS  
Timbalan Pendaftar, IPS  
Ketua Penolong Pendaftar / Penolong Pendaftar (Ijazah Tinggi), PTJ  
Pegawai-Pegawai IPS

The Institute of Graduate Studies facilitates all postgraduate research students within the University. Generally, Doctoral and Master candidates by research are expected to critically investigate an approved topic and to demonstrate an understanding of research methods appropriate to their chosen field. Following are the aims and learning outcomes of postgraduate studies by research in University of Malaya.

| Level                        | Aim                                                                                                                                                                                          | Learning Outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Doctoral degrees by research | To enable students to develop their capabilities to conduct independent research and to transfer knowledge at the forefront of a discipline by making an original contribution to knowledge. | <p>To be awarded a doctoral degree by research, a candidate shall:</p> <ol style="list-style-type: none"> <li>1. Synthesise knowledge and contribute to original research that is at the forefront of a particular field</li> <li>2. Adapt appropriate research methodologies and techniques</li> <li>3. Display leadership qualities through communicating and working effectively with peers and stakeholders</li> <li>4. Conduct research independently and adhere to legal, ethical and professional codes of practice</li> <li>5. Publish in peer reviewed academic journals in his/her field of study</li> <li>6. Evaluate research findings which is original and pioneering in a discipline</li> <li>7. Integrate information for life long learning</li> </ol> |

| Level                      | Aim                                                                                                                | Learning Outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Master degrees by research | To enable students to develop their research capabilities and to show originality in the application of knowledge. | <p>To be awarded a master degree by research, a candidate shall:</p> <ol style="list-style-type: none"> <li>1. Demonstrate a systematic understanding of knowledge by identifying research problems or insights in a particular field</li> <li>2. Apply appropriate research methodologies and techniques</li> <li>3. Relate leadership qualities through communicating and working effectively with peers and stakeholders</li> <li>4. Conduct research with minimal supervision and adhere to legal, ethical and professional codes of practice</li> <li>5. Publish in peer reviewed academic journals in his/her field of study</li> <li>6. Appraise research findings using scientific and critical thinking skills</li> <li>7. Manage information for lifelong learning</li> </ol> |