
Perkara : 4(4)

MPPIT : 28.11.2014

Pemantauan '*Learning Outcome*' Untuk Program Ijazah Tinggi Universiti Malaya**1. TUJUAN**

Kertas ini bertujuan memaklumkan ahli mesyuarat mengenai pemantauan '*Learning Outcome*' untuk program ijazah tinggi Universiti Malaya.

2. LATAR BELAKANG

Senat pada 23.5.2014 telah meluluskan '*Learning Outcome*' untuk program ijazah tinggi Universiti Malaya (Doctoral Degrees by Research dan Master Degrees by Research). *Learning Outcome* yang diluluskan adalah seperti di Lampiran A (IPS783/2014).

3. ULASAN

Pengajar program perlu memantau pencapaian '*Learning Outcome*' ini dalam pelaksanaan program ijazah tinggi UM.

4. TINDAKAN

Ahli mesyuarat diminta mengambil maklum mengenai '*Learning Outcome*' program ijazah tinggi seperti di Lampiran A (IPS783/2014) dan memastikan pengajar program memantau pencapaian LO dalam pelaksanaan semua program ijazah tinggi di PTj.

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.	To be awarded a doctoral degree by research, a candidate shall: 1. Synthesise knowledge and contribute to original research that is at the forefront of a particular field 2. Adapt appropriate research methodologies and techniques 3. Display leadership qualities through communicating and working effectively with peers and stakeholders 4. Conduct research independently and adhere to legal, ethical and profesional codes of practice 5. Publish in peer reviewed academic journals in his/her field of study 6. Evaluate research findings which is original and pioneering in a discipline 7. Integrate information for life long learning

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.	To be awarded a master degree by research, a candidate shall: 1. Demonstrate a systematic understanding of knowledge by identifying research problems or insights in a particular field 2. Apply appropriate research methodologies and techniques 3. Relate leadership qualities through communicating and working effectively with peers and stakeholders 4. Conduct research with minimal supervision and adhere to legal,ethical and profesional codes of practice 5. Publish in peer reviewed academic journals in his/her field of study 6. Appraise research findings using scientific and critical thinking skills 7. Manage information for lifelong learning

Learning Outcomes (LO) for Master Degree by Research:

On completion of the thesis, the student should be able to demonstrate:	Assessment						
	Research Methodology	Proposal Seminar / Candidature Defence	Attachments/ Community engagement /Internship/Clubs and Associations	Mentoring/ Tutorial/ Lab demonstration	Conference	Thesis	Publication
1. Demonstrate a systematic understanding of knowledge by identifying research problems or insights in a particular field	√	√			√	√	√
2. Apply appropriate research methodologies and techniques	√	√			√	√	√
3. Relate leadership qualities through communicating and working effectively with peers and stakeholders			√	√	√		
4. Conduct research with minimal supervision and adhere to legal,ethical and profesional codes of practice	√	√				√	√
5. Publish in peer reviewed academic journals in his/her field of study							√
6. Appraise research findings using scientific and critical thinking skills		√				√	√
7. Manage information for lifelong learning			√	√		√	√

Name of Student:

Registration No:

Supervisors:

Note: Please provide evidence for achievement of LO

Learning Outcomes (LO) for Doctoral Degree By Research:

On completion of the thesis, the students are able to demonstrate:	Assessment							
	Research Methodology	Proposal Seminar / Candidature Defence	Attachments/ Community engagement / Internship/ Clubs and Associations	Mentoring/ Tutorial/Lab demonstration	Conference	Thesis	Viva Voce	Publication
1. Synthesise knowledge and contribute to original research that is at the forefront of a particular field; (PO1)	√	√			√	√	√	√
2. Adapt appropriate research methodologies and techniques	√	√			√	√	√	√
3. Display leadership qualities through communicating and working effectively with peers and stakeholders			√	√	√			
4. Conduct research independently and adhere to legal, ethical and profesional codes of practice	√	√				√	√	√
5. Publish in peer reviewed academic journals in his/her field of study								√
6. Evaluate research findings which is original and pioneering in a discipline		√				√	√	√
7. Integrate information for life long learning			√	√		√		√

Name of Student:

Registration No:

Supervisors:

Note: Please provide evidence for achievement of LO