

## 10. PHD BY COURSEWORK AND RESEARCH

### 10.1 PhD (Computer Science)

<b>Year I Semester I: 4 Courses</b>		CU
<b>3 Core Courses</b>		
MCS 9100	Philosophy of Computing and Information Technology	3
MCS 9101	Research and Project Proposal	3
MCS 9102	Advanced Research Methods in Computing and IT	3
<b>1 Elective course</b>		
MCS 9103	Managerial Problems in Information Technology	3
MCS 9104	Research Project management	3
MCS 9105	Gender and ICT	3
<b>Year I Semester II: 4 Courses</b>		
<b>3 Core Courses</b>		
MCS 9200	Philosophy of Science and Computing Research	3
MCS 9201	Presentations, Scientific Writing and Research Ethics	3
MCS 9202	Trends in Computer Science	3
<b>1 Elective Course</b>		
MCS 9203	Trends in Information Systems	3
MCS 9204	Trends in Information Technology	3
MCS 9205	Trends in Software Engineering	3
<b>Year II Semester I &amp; II</b>		
Independent Research and Dissertation Compilation		
<b>Year III Semester I &amp; II</b>		
Independent Research, Dissertation Compilation and Defense		

### 10.2 PhD (Information Systems)

<b>Year I Semester I: 4 Courses</b>		CU
<b>3 Core courses</b>		
MCS 9100	Philosophy of Computing and Information Technology	3
MCS 9101	Research and Project Proposal	3
MCS 9102	Advanced Research Methods in Computing and IT	3
<b>1 Elective Course</b>		
MCS 9103	Managerial Problems in Information Technology Research	3
MCS 9104	Research Project management	3
MCS 9105	Gender and ICT	3

<b>Year I Semester II: 4 Courses</b>		
<b>3 Core Courses</b>		
MCS 9200	Philosophy of Science and Computing Research	3
MCS 9201	Presentations, Scientific Writing and Research Ethics	3
MCS 9203	Trends in Information Systems	3
<b>1 Elective Course</b>		
MCS 9202	Trends in Computer Science	3
MCS 9204	Trends in Information Technology	3
MCS 9205	Trends in Software Engineering	3
<b>Year II Semester I &amp; II</b>		
Independent Research and Dissertation Compilation		
<b>Year III Semester I &amp; II</b>		
Independent Research, Dissertation Compilation and Defense		

### 10.3 PhD (Information Technology) (PITE)

<b>Year I Semester I: 4 Courses</b>		CU
<b>3 Core Courses</b>		
MCS 9100	Philosophy of Computing and Information Technology	3
MCS 9101	Research and Project Proposal	3
MCS 9102	Advanced Research Methods in Computing and IT	3
<b>1 Elective Course</b>		
MCS 9103	Managerial Problems in Information Technology	3
MCS 9104	Research Project Management	3
MCS 9105	Gender and ICT	3
<b>Year I Semester II: 4 Courses</b>		
<b>3 Core Courses</b>		
MCS 9200	Philosophy of Science and Computing Research	3
MCS 9201	Presentations, Scientific Writing and Research Ethics	3
MCS 9204	Trends in Information Technology	3
<b>1 Elective Course</b>		
MCS 9202	Trends in Computer Science	3
MCS 9203	Trends in Information Systems	3
MCS 9205	Trends in Software Engineering	3