Programme Guide for Postgraduate Taught Programmes

Mathematical and Computing Sciences – Dubai Campus

Academic Year 202324

Academic Year Calendar for 202324

[Students are encouraged to check the Academic Calendar and be familiarise with the dates]

Programme List

MSc / Postgraduate Diploma Artificial Intelligence

Programme Name	:	MSc / Postgraduate Diploma Artificial Intelligence
Programme Code	:	F2Z7-ARI / F2Z5-ARI
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Neamat El Gayar	n.elgayar@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
September Semester - 2 Mandatory and 2 Optional Courses					
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21BC	Biologically inspired Computation	Mandatory	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
F29AI	Artificial intelligence & Intelligent Agents	Optional	1	September	
January Semester – 1 Mandatory and 3 Optional Course(s)					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AA	Applied Text Analytics	Optional	1	January	
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] **(To be registered on successful completion of above 8 taught courses)**					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc / Postgraduate Diploma Artificial Intelligence
Programme Code	:	F2Z7-ARI / F2Z5-ARI
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Neamat El Gayar	n.elgayar@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
		New Students			
		Stage 1 – First Year			
		September Semester - Register 2 Courses			
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21BC	Biologically inspired Computation	Mandatory	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
F29AI	Artificial intelligence & Intelligent Agents	Optional	1	September	
		January Semester – Register 2 Optional Courses			
F21AA	Applied Text Analytics	Optional	1	January	Jan 2024 to Apr 2024
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
		Continuing Students			
		Stage 1 – Second Year			
		September Semester - Register 2 Courses [Register Mandatory Courses if you have not registered it during First Year of Study]			
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21BC	Biologically inspired Computation	Mandatory	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
F29AI	Artificial intelligence & Intelligent Agents	Optional	1	September	
		January Semester – Register F21RP and 1 Optional Course			
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AA	Applied Text Analytics	Optional	1	January	
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register on successful completion of 8 taught courses)*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:
- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

MSc / Postgraduate Diploma Data Science

Programme Name	:	MSc / Postgraduate Diploma Data Science
Programme Code	:	F2D1-DSC / F2D2-DSC
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Hind Zantout	h.zantout@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
September Semester - 2 Mandatory and 2 Optional Courses					
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21SA	Statistical Modelling and Analysis	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester – 3 Mandatory and 1 Optional Course(s)					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21BD	Big Data Management	Mandatory	1	January	
F21DV	Data Visualisation and Analytics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21AA	Applied Text Analytics	Optional	1	January	
F21DE	Digital and Knowledge Economy	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register ONLY on successful completion of above 8 taught courses)*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc / Postgraduate Diploma Data Science
Programme Code	:	F2D1-DSC / F2D2-DSC
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Hind Zantout	h.zantout@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
<td colspan="6" align="center">New Students</td>
<td colspan="6" align="center">**Stage 1 – First Year**</td>
<td colspan="6" align="center">**September Semester - Register 2 Courses**</td>
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21SA	Statistical Modelling and Analysis	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
<td colspan="6" align="center">**January Semester – Register 2 Mandatory OR 1 Mandatory & 1 Optional Course(s)**</td>
F21BD	Big Data Management	Mandatory	1	January	Jan 2024 to Apr 2024
F21DV	Data Visualisation and Analytics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21AA	Applied Text Analytics	Optional	1	January	
F21DE	Digital and Knowledge Economy	Optional	1	January	
<td colspan="6" align="center">Continuing Students</td>
<td colspan="6" align="center">**Stage 1 – Second Year**</td>
<td colspan="6" align="center">**September Semester - Register 2 Courses** **[Register Mandatory Courses if you have not registered it during First Year of Study]**</td>
F21DL	Data Mining & Machine Learning	Mandatory	1	September	Sept 2023 to Dec 2023
F21SA	Statistical Modelling and Analysis	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
<td colspan="6" align="center">**January Semester – Register F21RP and 1 Mandatory/Optional Course** **[Register Mandatory Courses if you have not registered it during First Year of Study]**</td>
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21BD	Big Data Management	Mandatory	1	January	
F21DV	Data Visualisation and Analytics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21AA	Applied Text Analytics	Optional	1	January	
F21DE	Digital and Knowledge Economy	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register ONLY on successful completion of 8 taught courses*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:

- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

MSc Information Technology (Business)

Programme Name	:	MSc Information Technology (Business)
Programme Code	:	F2CG-ITB
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Mr Nasreddine Megrez	n.megrez@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory/ Optional	Year	Semester	Semester Dates
September Semester - 1 Mandatory and 3 Optional Course(s)					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21IF	Information Systems Methodologies	Optional	1	September	
F21SA	Statistical Modelling and Analysis	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
C11CS	Competitive Strategy	Optional	1	September	
C11IV	Strategic Innovation Mgt	Optional	1	September	
January Semester – 1 Mandatory and 3 Optional Course(s)					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21BD	Big Data Management	Optional	1	January	
F21EC	e-Commerce Technology	Optional	1	January	
C11PA	Project Management	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(To be registered on successful completion of above 8 taught courses)*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc Information Technology (Business)
Programme Code	:	F2CG-ITB
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Mr Nasreddine Megrez	n.megrez@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
<td colspan="6" align="center">New Students</td>					
<td colspan="6" align="center">Stage 1 – First Year</td>					
<td colspan="6" align="center">September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s)</td>					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21IF	Information Systems Methodologies	Optional	1	September	
F21SA	Statistical Modelling and Analysis	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
C11CS	Competitive Strategy	Optional	1	September	
C11IV	Strategic Innovation Mgt	Optional	1	September	
<td colspan="6" align="center">January Semester – Register 2 Optional Courses</td>					
F21BD	Big Data Management	Optional	1	January	Jan 2024 to Apr 2024
F21EC	e-Commerce Technology	Optional	1	January	
C11PA	Project Management	Optional	1	January	
<td colspan="6" align="center">Continuing Students</td>					
<td colspan="6" align="center">Stage 1 – Second Year</td>					
<td colspan="6" align="center">September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s) [Register Mandatory Courses if you have not registered it during First Year of Study]</td>					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21IF	Information Systems Methodologies	Optional	1	September	
F21SA	Statistical Modelling and Analysis	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
C11CS	Competitive Strategy	Optional	1	September	
C11IV	Entrepreneurial Venturing	Optional	1	September	
<td colspan="6" align="center">January Semester - Register F21RP and 1 Optional course</td>					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21BD	Big Data Management	Optional	1	January	
F21EC	e-Commerce Technology	Optional	1	January	
C11PA	Project Management	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register on successful completion of 8 taught courses*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:

- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

MSc Information Technology (Software Systems)

Programme Name	:	MSc Information Technology (Software Systems)
Programme Code	:	F2EG-ITS
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Mr Kayvan Karim	k.karim@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
September Semester - 1 Mandatory and 3 Optional Course(s)					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21CN	Computer Network Security	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester – 1 Mandatory and 3 Optional Course					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AD	Advanced Interaction Design	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21DV	Data Visualisation and Analytics	Optional	1	January	
F21EC	e-Commerce Technology	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(To be registered on successful completion of above 8 taught courses)*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc Information Technology (Software Systems)
Programme Code	:	F2EG-ITS
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Kayvan Karim	k.karim@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
New Students					
Stage 1 – First Year					
September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s)					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21CN	Computer Network Security	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester – Register 2 Optional Courses					
F21AD	Advanced Interaction Design	Optional	1	January	Jan 2024 to Apr 2024
F21AS	Advanced Software Engineering	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21DV	Data Visualisation and Analytics	Optional	1	January	
F21EC	e-Commerce Technology	Optional	1	January	
Continuing Students					
Stage 1 – Second Year					
September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s) [Register Mandatory Courses if you have not registered it during First Year of Study]					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2023 to Dec 2023
F21CN	Computer Network Security	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21RO	Intelligent Robotics	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester - Register F21RP and 1 Optional course					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AD	Advanced Interaction Design	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21DV	Data Visualisation and Analytics	Optional	1	January	
F21EC	e-Commerce Technology	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register on successful completion of 8 taught courses*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:
- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

MSc / Postgraduate Diploma Network Security

Programme Name	:	MSc / Postgraduate Diploma Network Security
Programme Code	:	F2N3-CNS / F2N2-CNS
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Hani Ragab Hassen	h.ragabhassen@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
September Semester - 1 Mandatory and 3 Optional Course(s)					
F21CN	Computer Network Security	Mandatory	1	September	Sept 2023 to Dec 2023
F29DC	Data Communications and Networking	Optional	1	September	
F21DF	Database and Information Systems	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
F21RS	Rigorous Method for Software Engineering	Optional	1	September	
F21SP	Systems Programming	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester – 3 Mandatory and 1 Optional Course(s)					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AN	Advanced Network Security	Mandatory	1	January	
F21FO	Digital Forensics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
C11PA	Project Management	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(To be registered on successful completion of above 8 taught courses)*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 224 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc / Postgraduate Diploma Network Security
Programme Code	:	F2N3-CNS / F2N2-CNS
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Hani Ragab Hassen	h.ragabhassen@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

New Students					
Stage 1 – First Year					
September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s)					
F21CN	Computer Network Security	Mandatory	1	September	Sept 2023 to Dec 2023
F29DC	Data Communications and Networking	Optional	1	September	
F21DF	Database and Information Systems	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
F21RS	Rigorous Method for Software Engineering	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester – Register 2 Mandatory OR 1 Mandatory & 1 Optional Course(s)					
F21AN	Advanced Network Security	Mandatory	1	January	Jan 2024 to Apr 2024
F21FO	Digital Forensics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
C11PA	Project Management	Optional	1	January	
Continuing Students					
Stage 1 – Second Year					
September Semester - Register 2 Optional OR 1 Mandatory & 1 Optional Course(s) **[Register Mandatory Courses if you have not registered it during First Year of Study]**					
F21CN	Computer Network Security	Mandatory	1	September	Sept 2023 to Dec 2023
F29DC	Data Communications and Networking	Optional	1	September	
F21DF	Database and Information Systems	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
F21RS	Rigorous Method for Software Engineering	Optional	1	September	
F21SC	Industrial Programming	Optional	1	September	
F21SF	Software Engineering Foundations	Optional	1	September	
January Semester - Register F21RP and 1 Mandatory/Optional course **[Register Mandatory Course if you have not registered it during First Year of Study]**					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AN	Advanced Network Security	Mandatory	1	January	
F21FO	Digital Forensics	Mandatory	1	January	
F21AO	Applied Development and Operations	Optional	1	January	
F21AS	Advanced Software Engineering	Optional	1	January	
F21BD	Big Data Management	Optional	1	January	
C11PA	Project Management	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register on successful completion of 8 taught courses*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:

- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

MSc Software Engineering

Programme Name	:	MSc Software Engineering
Programme Code	:	F2S7-SOE
Mode of Study	:	Full Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Abrar Ullah	a.ullah@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
September Semester - 2 Mandatory and 2 Optional Courses					
F21RS	Rigorous Methods for Software Engineering	Mandatory	1	September	Sept 2023 to Dec 2023
F21SC	Industrial Programming	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21SP	Systems Programming	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
January Semester – 2 Mandatory and 2 Optional Courses					
F21RP	Research Methods & Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AS	Advanced Software Engineering	Mandatory	1	January	
F21BD	Big Data Management	Optional	1	January	
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21AN	Advanced Network Security	Optional	1	January	
May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] **_(To be registered on successful completion of above 8 taught courses)_**					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Aug 2024

Note:
- Submission of Mitigating Circumstances [MC] request due to employment workload by full-time students will NOT be considered as an acceptable reason. Students with fulltime employment are encouraged to choose Part-time study mode.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.

Programme Name	:	MSc Software Engineering
Programme Code	:	F2S7-SOE
Mode of Study	:	Part Time

Key Contacts		
Designation	**Name**	**Contact Email**
Programme Director	Dr Abrar Ullah	a.ullah@hw.ac.uk
Dissertation Coordinator	Dr Ryad Soobhany	r.soobhany@hw.ac.uk

Course Code	Course Title	Mandatory/Optional	Year	Semester	Semester Dates
New Students					
Stage 1 – First Year					
September Semester - Register 2 Courses					
F21RS	Rigorous Methods for Software Engineering	Mandatory	1	September	Sept 2023 to Dec 2023
F21SC	Industrial Programming	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
January Semester – Register 2 Optional OR 1 Mandatory and 1 Optional course(s)					
F21AS	Advanced Software Engineering	Mandatory	1	January	Jan 2024 to Apr 2024
F21BD	Big Data Management	Optional	1	January	
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21AN	Advanced Network Security	Optional	1	January	
Continuing Students					
Stage 1 – Second Year					
September Semester - Register 2 Courses **[Register Mandatory Courses if you have not registered it during First Year of Study]**					
F21RS	Rigorous Methods for Software Engineering	Mandatory	1	September	Sept 2023 to Dec 2023
F21SC	Industrial Programming	Mandatory	1	September	
F21BC	Biologically Inspired Computation	Optional	1	September	
F21CN	Computer Network Security	Optional	1	September	
F21GA	3D Graphics and Animation	Optional	1	September	
F21DL	Data Mining and Machine Learning	Optional	1	September	
January Semester - Register F21RP and 1 Mandatory/Optional course **[Register Mandatory Course if you have not registered it during First Year of Study]**					
F21RP	Research Methods and Project Planning	Mandatory	1	January	Jan 2024 to Apr 2024
F21AS	Advanced Software Engineering	Mandatory	1	January	
F21BD	Big Data Management	Optional	1	January	
F21AD	Advanced Interaction Design	Optional	1	January	
F21AO	Applied Development and Operations (DevOps)	Optional	1	January	
F21GP	Computer Games Programming	Optional	1	January	
F21AN	Advanced Network Security	Optional	1	January	

May Semester – 1 Mandatory Course [Applicable to ONLY MSc Students] *(Register on successful completion of 8 taught courses*					
F21MP	MSc Project & Dissertation	Mandatory	1	May	Jun 2024 to Dissertation Deadline

Note:
- Part-time students can register 1 or 2 courses per semester. Students are encouraged to meet their Personal Tutor or Programme Director if they wish to choose more than 2 courses in a semester.
- January intake students need to carefully consider their courses sequencing and are advised to consult with their Personal Tutor or Programme Director.
- Students will be eligible to register in F21RP ONLY on successful completion of 7 courses or being registered to complete 7 courses with F21RP being the 8th course in their final taught semester. For most part-time students this will be during their second year of studies.
- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.