



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]

Note: January intake students are required to register only for January semester courses now. Registration for September semester and following January semester courses can be done when the registration opens in August 2024 for academic year 2024/25.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

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Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Artificial Intelligence

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					
January Semester - Register 2 or 3 Courses					
F21AA	Applied Text Analytics	Optional	1	January Semester	Jan 2024 to May 2024
F21AD	Advanced Interaction Design	Optional	1		
F21AO	Applied Development and Operations (DevOps)	Optional	1		
F21AS	Advanced Software Engineering	Optional	1		
F21BD	Big Data Management	Optional	1		
F21GP	Computer Games Programming	Optional	1		
September Semester – Register 2 and or 3 Courses					
F21DL	Data Mining & Machine Learning	Mandatory	1	September Semester	Sept 2024 to Dec 2024
F21BC	Biologically inspired Computation	Mandatory	1		
F21GA	3D Graphics and Animation	Optional	1		
F21RO	Intelligent Robotics	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP and 1 or 2 Optional Course [Students should be completing 8 taught courses by this semester]					
F21RP	Research Methods and Project Planning	Mandatory	2	January Semester	Jan 2024 to May 2024
F21AA	Applied Text Analytics	Optional	2		
F21AD	Advanced Interaction Design	Optional	2		
F21AO	Applied Development and Operations (DevOps)	Optional	2		
F21AS	Advanced Software Engineering	Optional	2		
F21BD	Big Data Management	Optional	2		
F21GP	Computer Games Programming	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students] (Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May Semester	Jun 2024 to Dissertation Deadline
Note:					
<ul style="list-style-type: none"> January intake students need to carefully consider their courses sequencing to complete their programme in 2 years. 					

Post Graduate Taught Programme Guide- ONLY for January Intake Students

- 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.
- Student should complete 3 Mandatory and 5 Optional courses to be eligible for F21MP registration.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Data Science

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
New Students					
Stage 1 – First Year					
January Semester - Register 2 or 3 Courses					
F21BD	Big Data Management	Mandatory	1	January Semester	Jan 2024 to May 2024
F21DV	Data Visualisation and Analytics	Mandatory	1		
F21AO	Applied Development and Operations	Optional	1		
F21AS	Advanced Software Engineering	Optional	1		
F21AA	Applied Text Analytics	Optional	1		
F21DE	Digital and Knowledge Economy	Optional	1		
September Semester – Register 2 or 3 Courses					
F21DL	Data Mining & Machine Learning	Mandatory	1	September Semester	Sept 2024 to Dec 2024
F21SA	Statistical Modelling and Analysis	Mandatory	1		
F21BC	Biologically Inspired Computation	Optional	1		
F21CN	Computer Network Security	Optional	1		
F21SC	Industrial Programming	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP and 1 or 2 Mandatory/Optional Course [Student should be completing 8 taught courses by this semester]					
F21RP	Research Methods and Project Planning	Mandatory	2	January Semester	Jan 2024 to May 2024
F21BD	Big Data Management	Mandatory	2		
F21DV	Data Visualisation and Analytics	Mandatory	2		
F21AO	Applied Development and Operations	Optional	2		
F21AS	Advanced Software Engineering	Optional	2		
F21AA	Applied Text Analytics	Optional	2		
F21DE	Digital and Knowledge Economy	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students] (Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May Semester	Jun 2024 to Dissertation Deadline
Note:					
<ul style="list-style-type: none"> January intake students need to carefully consider their courses sequencing to complete their programme in 2 years. 					

Post Graduate Taught Programme Guide- ONLY for January Intake Students

- 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.
- Student should complete 5 Mandatory and 3 Optional courses to be eligible for F21MP registration.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Network Security

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	
Course Code	Course Title	Mandatory /Optional	Year	Semester	Semester Dates
New Students					
Stage 1 – First Year					
January Semester - Register 2 or 3 Courses					
F21AN	Advanced Network Security	Mandatory	1	January Semester	Jan 2024 to May 2024
F21FO	Digital Forensics	Mandatory	1		
F21AO	Applied Development and Operations (DevOps)	Optional	1		
F21AS	Advanced Software Engineering	Optional	1		
F21BD	Big Data Management	Optional	1		
C11PA	Project Management	Optional	1		
September Semester – Register 2 or 3 Courses					
F21CN	Computer Network Security	Mandatory	1	September Semester	Sept 2024 to Dec 2024
F21DF	Databases and Information Systems	Optional	1		
F21DL	Data Mining and Machine Learning	Optional	1		
F21RS	Rigorous Methods for Software Engineering	Optional	1		
F21SC	Industrial Programming	Optional	1		
F21SF	Software Engineering Foundations	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP and 1 or 2 Mandatory/Optional Course [Student should be completing 8 taught courses by this semester]					
F21AN	Advanced Network Security	Mandatory	2	January Semester	Jan 2024 to May 2023
F21FO	Digital Forensics	Mandatory	2		
F21RP	Research Methods & Project Planning**	Mandatory	2		
F21AO	Applied Development and Operations (DevOps)	Optional	2		
F21AS	Advanced Software Engineering	Optional	2		
F21BD	Big Data Management	Optional	2		
C11PA	Project Management	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students] (Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May Semester	Jun 2024 to Dissertation Deadline
Note:					

Post Graduate Taught Programme Guide- ONLY for January Intake Students

- January intake students need to carefully consider their courses sequencing to complete their programme in 2 years.
- 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.
- Student should complete 4 Mandatory and 4 Optional courses to be eligible for F21MP registration.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Software Engineering

Programme Name	: MSc / Postgraduate Diploma Software Engineering				
Programme Code	: F2S7-SOE / F2S5-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					
January Semester - Register 2 or 3 Courses					
F21AS	Advanced Software Engineering	Mandatory	1	January Semester	Jan 2024 to May 2024
F21BD	Big Data Management	Optional	1		
F21AD	Advanced Interaction Design	Optional	1		
F21AO	Applied Development and Operations (DevOps)	Optional	1		
F21GP	Computer Games Programming	Optional	1		
F21AN	Advanced Network Security	Optional	1		
September Semester – Register 2 or 3 Courses					
F21RS	Rigorous Methods for Software Engineering	Mandatory	1	September Semester	Sept 2024 to Dec 2024
F21SC	Industrial Programming	Mandatory	1		
F21BC	Biologically Inspired Computation	Optional	1		
F21GA	3D Graphics and Animation	Optional	1		
F21DL	Data Mining and Machine Learning	Optional	1		
F21SP	Systems Programming	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP AND 1 Mandatory or 1/2 Optional Course					
[Student should be completing 8 taught courses by this semester]					
F21AS	Advanced Software Engineering	Mandatory	2	January Semester	Jan 2024 to May 2024
F21RP	Research Methods & Project Planning	Mandatory	2		
F21BD	Big Data Management	Optional	2		
F21AD	Advanced Interaction Design	Optional	2		
F21AO	Applied Development and Operations (DevOps)	Optional	2		
F21GP	Computer Games Programming	Optional	2		
F21AN	Advanced Network Security	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students]					
(Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May Semester	Jun 2024 to Dissertation Deadline
Note:					
<ul style="list-style-type: none"> January intake students need to carefully consider their courses sequencing in order to complete their programme in 2 years. 					

Post Graduate Taught Programme Guide- ONLY for January Intake Students

- 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.
- Student should complete 4 Mandatory and 4 Optional courses to be eligible for F21MP registration.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Information Technology (Software Systems)

Programme Name		: MSc / Postgraduate Diploma Information Technology (Software Systems)			
Programme Code		: F2EG-ITS			
Mode of Study		: Part Time			
Key Contacts					
Designation		Name		Contact Email	
Programme Director		Kavyan 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					
January Semester - Register 2 or 3 Courses					
F21AD	Advanced Interaction Design	Optional	1	January Semester	Jan 2024 to May 2024
F21AS	Advanced Software Engineering	Optional	1		
F21GP	Computer Games Programming	Optional	1		
F21DV	Data Visualisation and Analytics	Optional	1		
F21EC	e-Commerce Technology	Optional	1		
September Semester – Register 2 or 3 Courses					
F21DF	Databases and Information Systems	Mandatory	1	September Semester	Sept 2024 to Dec 2024
F21CN	Computer Network Security	Optional	1		
F21GA	3D Graphics and Animation	Optional	1		
F21RO	Intelligent Robotics	Optional	1		
F21SC	Industrial Programming	Optional	1		
F21SF	Software Engineering Foundations	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP and 1 or 2 Optional Course [Student should be completing 8 taught courses by this semester]					
F21RP	Research Methods and Project Planning	Mandatory	2	January Semester	Jan 2024 to May 2024
F21AD	Advanced Interaction Design	Optional	2		
F21AS	Advanced Software Engineering	Optional	2		
F21GP	Computer Games Programming	Optional	2		
F21DV	Data Visualisation and Analytics	Optional	2		
F21EC	e-Commerce Technology	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students] (Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May Semester	Jun 2024 to Dissertation Deadline
Note:					
<ul style="list-style-type: none"> January intake students need to carefully consider their courses sequencing to complete their programme in 2 years. 					

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- 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.
- Student should complete 2 Mandatory and 6 Optional courses to be eligible for F21MP registration.

Post Graduate Taught Programme Guide- ONLY for January Intake Students

MSc / Postgraduate Diploma Information Technology (Business)

Programme Name		: MSc / Postgraduate Diploma Information Technology (Business)			
Programme Code		: F2CG-ITB / F2CH-ITB			
Mode of Study		: Part Time			
Key Contacts					
Designation		Name		Contact Email	
Programme Director		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
New Students					
Stage 1 – First Year					
January Semester - Register 2 or 3 Courses					
F21BD	Big Data Management	Optional	1	January	Jan 2024 to May 2024
F21EC	e-Commerce Technology	Optional	1		
C11PA	Project Management	Optional	1		
September Semester – Register 2 or 3 Courses					
F21DF	Databases and Information Systems	Mandatory	1	September	Sept 2024 to Dec 2024
F21IF	Information Systems Methodologies	Optional	1		
F21SA	Statistical Modelling and Analysis	Optional	1		
F21SF	Software Engineering Foundations	Optional	1		
C11CS	Competitive Strategy	Optional	1		
C11IV	Strategic Innovation Mgt	Optional	1		
Continuing Students					
Stage 1 – Second Year					
January Semester - Register F21RP and 1 or 2 Optional Course [Student should be completing 8 taught courses by this semester]					
F21RP	Research Methods and Project Planning	Mandatory	2	January	Jan 2024 to May 2024
F21BD	Big Data Management	Optional	2		
F21EC	e-Commerce Technology	Optional	2		
C11PA	Project Management	Optional	2		
May Semester - 1 Mandatory Course [Applicable to ONLY MSc Students] (Register ONLY on successful completion of 8 taught courses)					
F21MP	MSc Project & Dissertation	Mandatory	2	May	Jun 2024 to Dissertation Deadline
Note:					
<ul style="list-style-type: none"> January intake students need to carefully consider their courses sequencing to complete their programme in 2 years. 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. 					

Post Graduate Taught Programme Guide- ONLY for January Intake Students

- Students with resits may have their progression to F21MP delayed. Refer to the handbook for further details.
- Student should complete 2 Mandatory and 6 Optional courses to be eligible for F21MP registration.