

CN7050 – Intelligent Systems

Week 1: Introduction and Preparations for the Module

Dr Azhar Mahmood
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Staff Information

Module Leader	<p>Dr Azhar Mahmood <u>a.mahmood3@uel.ac.uk</u> Room EB.1.85</p>
Teaching Team	<p>Academic Staff: Dr Azhar Mahmood Dr Shaheen Khatoon Dr Mustansar Ali Ghanzafar</p>
Lab Tutors	<p>Dr. Shahera Hossain Zulfiqar Ali Afroza Rahman Anas Mahdaoui Dr Mustansar Ali Ghanzafar Dr Azhar Mahmood</p>

Learning Outcomes for Today

At the end of this lecture, you should be able to:

1. Explain the **structure of the module**
2. Understand your responsibilities and commitments
3. Prepare yourself for the next 11 weeks of learning
4. Getting ready for your **assessment**
5. Overview of the **Intelligent Systems**

Introduction to the Module

- This is a MSc Computer Science Level 7 module, CN7050 Intelligent Systems.
- Module schedule (Check your timetable)
 - Lecture on campus, every **Tuesday** 09:00AM & 11:00AM
 - 3 Hours Practical / Tutorial – on campus,

Session	Day	Start	End	Group	Staff	Room
Lecture	Tuesday	0900	1100	All	Azhar Mahmood/ Shaheen Khatoon/ Mustansar Ali Ghanzafar	MLT
Practical	Monday	1300	1600	4	Zulfiqar Ali	KD1.28
Practical	Monday	1300	1600	5	Mustansar Ali Ghanzafar	KD1.29
Practical	Tuesday	1300	1600	6	Afroza Rahman	KD1.28
Practical	Tuesday	1300	1600	7	Zulfiqar Ali	KD1.29
Practical	Wednesday	1300	1600	11	Azhar Mahmood	KD1.28
Practical	Wednesday	1300	1600	12	Zulfiqar Ali	KD1.29
Practical	Friday	1000	1300	1	Afroza Rahman	ITC06
Practical	Friday	1500	1800	2	Afroza Rahman	ITC02
Practical	Friday	1000	1300	3	Shahera Hossain	ITC09/10
Practical	Friday	0900	1200	10	Anas Mahdaoui	ITC17/18
Practical	Friday	1230	1530	8	Anas Mahdaoui	ITC14
Practical	Friday	0930	1230	14	Zulfiqar Ali	ITC14
Practical	Friday	1230	1530	9	Zulfiqar Ali	ITC15
Practical	Friday	1600	1900	13	Zulfiqar Ali	ITC01

Event

30/09/2025 09:00-11:00
Module: CN7050 [Intelligent Systems]
Room: MLT - Docklands Library
Group: CN7050-SEMAD-00
Staff:
GHAZANFAR, Mustansar Ali
KHATOON, Shaheen
MAHMOOD, Azhar
Name:
Event category: Lecture

Staff

MAHMOOD, Azhar
Department: Architecture, Computing & Eng...

Event

01/10/2025 13:00-16:00
Module: CN7050 [Intelligent Systems]
Room: RD.1.15 - Computer Lab (RDCS Build - ...
Group: CN7050-SEMAD-11
Staff: MAHMOOD, Azhar
Name: Computing
Event category: Practical

Staff

MAHMOOD, Azhar
Department: Architecture, Computing & Eng...

Assessment

This is a 30-credit module and its assessment is based on:

- **Individual Coursework:** Designing an intelligent system that can interact with users, generate accurate and reliable outcomes, respond appropriately, and automate workflows as an agent. **(75%)**
 - Coursework instructions and submission dates will be posted during W3 -W4
 - Completion of 5 Lab tutorials (Lab tasks): **(25%)**

Weekly Material on Moodle

<https://moodle.uel.ac.uk/course/view.php?id=82313>

CN7050 2526 (T1) Intelligent Systems (OC)

AM Azhar Mahmood MG Mustansar Ghazanfar SK Shaheen Khatoon



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Welcome Azhar!

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Welcome & Module Preparation



Module Introduction:

This module is designed to equip you with practical knowledge of intelligent system design and development. You will develop the skills to design and implement intelligent agents, apply AI-based learning techniques, and tackle advanced real-world problems. In particular, we will explore how agentic AI can automate workflows to support and align with organizational goals and needs.

TEAMS Channel

Important Announcements: MS Teams Channel

The screenshot shows the Microsoft Teams interface for the 'General' channel of the 'CN7050 2526 T1 (OC)' team. The left sidebar includes links for Activity, Chat, Teams, Assignments, Calendar, Viva Engage, Wellbeing, OneDrive, Calls, Copilot, and Apps.

Announcement by Azhar Mahmood:

Azhar Mahmood Saturday 4:51 PM Edited

Module CN7050: Welcome to Intelligent Systems

Dear Students,

Welcome to the module Intelligent Systems (CN7050), this module is designed to equip you with practical knowledge of intelligent system design and development. You will develop the skills to design and implement intelligent agents, apply AI-based learning techniques, and tackle advanced real-world problems. In particular, we will explore how agentic AI can automate workflows to support and align with organizational goals and needs.

This Module places a strong emphasis on hands-on learning, using tools such as MATLAB, Google Colab, and N8N to bring concepts to life. From building and training agents to applying agentic AI for both simple and complex workflows, you will gain valuable experience with see more

Reply

Announcement by Azhar Mahmood:

Azhar Mahmood 4:20 AM

CN7050 Intelligent Systems -Timetable

Module Name	Category	Day	Start	End	Hours	Group	Group size	Staff	Class Room
Intelligent Systems	Lecture	Tuesday	900	1100	2	0	350	Azhar Mahmood/ Shafeeq Khalid/ Mastanam Ghazanfar	ITC1
Intelligent Systems	Practical	Wednesday	1300	1400	1	25	(HP) Jaffra Rahim	ITC06	
Intelligent Systems	Practical	Friday	1500	1800	3	2	25	(HP) Dr. Shafiq Hussain	ITC02
Intelligent Systems	Practical	Friday	930	1230	3	3	25	(HP) Dr. Shafiq Hussain	ITC09/10
Intelligent Systems	Practical	Monday	1300	1600	3	4	25	(HP) Zulfique Ali	KO1.18
Intelligent Systems	Practical	Mondays	1300	1600	3	5	25	Mustansar Ghosweta	KO1.29
Intelligent Systems	Practical	Tuesday	1300	1600	3	6	25	(HP) Afroz Rahman	KO1.28
Intelligent Systems	Practical	Tuesday	1300	1600	3	7	25	(HP) Zulfique Ali	KO1.29
Intelligent Systems	Practical	Friday	1230	1530	3	8	25	(HP) Aras Mahdassi	ITC14
Intelligent Systems	Practical	Friday	1230	1530	3	9	25	(HP) Zulfique Ali	ITC15
Intelligent Systems	Practical	Friday	900	1200	3	10	25	(HP) Aras Mahdassi	ITC17/18
Intelligent Systems	Practical	Wednesday	1300	1600	3	11	25	Azhar Mahmood	KO1.28
Intelligent Systems	Practical	Wednesday	1300	1600	3	12	25	(HP) Zulfique Ali	KO1.29
Intelligent Systems	Practical	Friday	1600	1900	3	13	25	(HP) Zulfique Ali	ITC01
Intelligent Systems	Practical	Friday	900	1200	3	14	25	(HP) Zulfique Ali	ITC14

Learning Resources

- **Lecture Slides & Books:** Lecture slides/Books and other online resources are available in Moodle.
- **Weekly Lecture:** On Campus
- **Tutorial and Practical tasks:** Tutorial and Practical exercises will be given out during the practical and will be available on **Moodle**.

<https://moodle.uel.ac.uk/course/view.php?id=82313>

- **Q&A:** MS Teams / Lab Tutorials
- Notes: Please visit the Moodle regularly for teaching materials and other resources

Due to the high number of students(350+) in this module and limited time, you may refer to the lab tutor for any questions or queries.