In this module, you will focus on learning the concepts that underpin Artificial Life systems and how to implement such systems. You will develop an appreciation of how advanced ideas and techniques modelling the properties of living systems and the exploitation of these techniques in computer science and robotics. This module will be heavily focused on the practical elements and workings of artificial life systems.

7COM1032 - Artificial Life with Robotics is a 30-credit module, and it requires around 300 hours of student effort.

To get your work started, please study the Module Information provided under Units, as it contains the learning outcomes, reading list and other key information about this module. It will not take long, and it will put you in good standing for the rest of the module.

We hope that you will enjoy studying this module with us!

Key staff members

The module is taught by Dr Luke Wood and Dr Abolfazl Zaraki, and they are here to support you in your academic studies and challenge you to achieve your best work.

Staff details

Name	Email	Weekly drop-in (on campus)	Weekly drop-in (online)
Dr. Luke Wood (Module Leader)	l.wood@herts.ac.uk (mailto:l.wood@herts.ac.uk)	Tuesdays 08:00-09:00 - Level 4 Spectra	Thursdays 16:30-17:30 Microsoft Teams Link (https://teams.microsoft.com/l/meetup-join/19%3ameeting_NmJjOGRhZjUtOTZjZS00Zjl0LTgzMmYtNjk5ZGNjMWMxZmY3%context=%7b%22Tid%22%3a%2293e6beba-c4aa-4731-af5d-d735b097eadb%22%2c%22Oid%22%3a%22442c0db7-005f-4d7c-a581-85ba4566c
Dr. Abolfazl Zaraki	a.zaraki@herts.ac.uk (mailto:a.zaraki@herts.ac.uk)	Mondays 11:00-12:00 - Level 4 Spectra	Mondays 12:00-13:00 Microsoft Teams (https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZWUzYzA0ZmMtMjRlNi00YTZlLTgyNWQtNjA5NWQ4MDM0NWIz%context=%7b%22Tid%22%3a%2293e6beba-c4aa-4731-af5d-d735b097eadb%22%2c%22Oid%22%3a%22106ac2f1-db0e-470c-abd3-a1222dc72
Dr. Okechi Onuoha	o.onuoha@herts.ac.uk (mailto:o.onuoha@herts.ac.uk)	Mondays, 13:00-14:00 - Outside LC156	Fridays 16:30-17:30 Robotics Drop-in Session | Meeting-Join | Microsoft Teams (https://teams.microsoft.com/l/meetup-join/19%3ameeting_MGExY2RmMzctNmMzZC00YmZkLWI2NmItNmE1MmNhMGU4Mzg%context=%7b%22Tid%22%3a%2293e6beba-c4aa-4731-af5d-d735b097eadb%22%2c%22Oid%22%3a%2232ca693e-fa61-43a7-9a17-7333348b95
Sílvia Moros	s.moros2@herts.ac.uk (mailto:s.moros2@herts.ac.uk)	Mondays 16:00-17:00 - Level 4 Spectra	TBC

Assessment Overview

There are three assessments on this module, as outlined below. The assessments are carefully designed to provide you with opportunities to apply and demonstrate what you have learned. The details for each assignment (including submission dates) are provided in the Assignments section. To pass this module, you must achieve 50% overall.

Assessment details

Assignment Title	Individual or Group	Type of assignment and feedback provided	Grade %	Date set	Due in
Agent based modelling	Individual	You will develop and analyse a model that simulates the impact of an infectious disease. You will receive written feedback and a score.	35%	6/10/2025	7/11/2025
Robotic simulation	Individual	You will develop and analyse the performance of a simulated robot that must perform a particular task. You will receive written feedback and a score.	35%	10/11/2025	12/12/2025
In-class Test	Individual	You will answer 15 multiple-choice questions about the range of topics covered in this module. Feedback will be in the form of a final score.	30%	6/1/2026	6/1/2026

Module Specific Requirements

There are 6 hours of timetabled learning activities each week led by academic staff; this will be structured as follows:

- Lecture 2-hours on campus (Fridays)
- Practical A session 2-hours on campus (see your timetable)
- Practical B session 2-hours on campus (see your timetable)

You can find information about the sessions you have been allocated to in your personal timetable. In addition to timetabled sessions, you will engage with other learning activities such as conducting independent research.

Additional key information – including the teaching delivery plan – can be found under **Module Specific Requirements (https://herts.instructure.com/courses/124806/pages/module-specific-requirements)** (available under Units > Module Information).

Recent Activity

Assignment due date changed: Robotic simulation, 7COM1032-0901-2025 - Artificial Life with Robotics
(https://herts.instructure.com/courses/124806/assignments/387337)

Coursework file update (https://herts.instructure.com/courses/124806/announcements/940478)

Need Help Locating Project Dataset (https://herts.instructure.com/courses/124806/discussion_topics/934278)

Assignment created - Robotic simulation, 7COM1032-0901-2025 - Artificial Life with Robotics (https://herts.instructure.com/courses/124806/assignments/387337)

online link - type your questions and feedback on the online lecture! (https://herts.instructure.com/courses/124806/announcements/932455)

Please Join Tomorrow's Online Lecture 10 Minutes Early (https://herts.instructure.com/courses/124806/announcements/932053)

IMPORTANT Reminder: ONLINE LECTURE this Friday 14/November at 2 PM (https://herts.instructure.com/courses/124806/announcements/929633)

Module Leader

Luke Wood

Teaching Staff

Silvia Moros

Okechi Onuoha

Abolfazl Zaraki