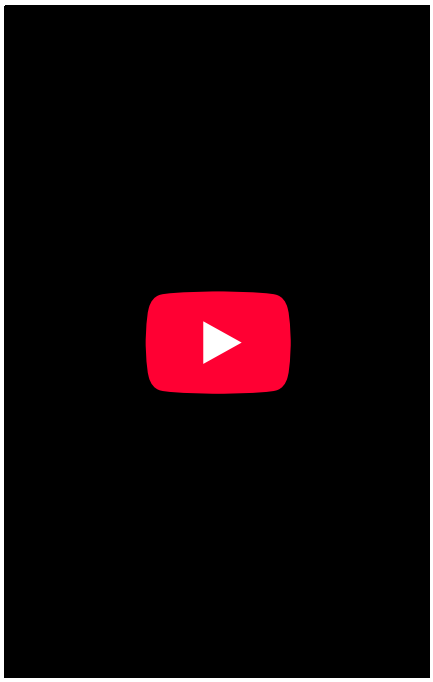
Dean F. Hougen, *Lloyd and Joyce Austin Presidential Professor*, University of Oklahoma



Professor, School of Computer Science
Graduate Faculty Member, School of Electrical and Computer Engineering
Core Faculty Member, Data Science and Analytics Institute
Gallogly College of Engineering
University of Oklahoma

hougen@ou.edu

Office:	*Mailing Address:*
Sarkeys Energy Center, Room 1176 100 West Boyd Street Norman, OK 73019-3009	Devon Energy Hall, Room 150 110 West Boyd Street Norman, OK 73019-3009
405-325-3150	405-325-3150

Class Office Hours Fall 2025:
Mondays 1:00-2:30; Wednesdays 10:00-11:00
SEC 1176
https://oklahoma.zoom.us/my/hougen

Full Curriculum Vitae

Research — *Research Statement*

Artificial Intelligence & Robotics Research

carried out at the

Artificial Intelligence & Robotics SuperLab, University of Oklahoma

Robotic Intelligence and Machine Learning

carried out at the

Robotic Intelligence and Machine Learning Laboratory, University of Oklahoma

Distributed Robotics

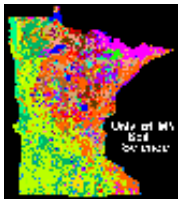
carried out at the

Center for Distributed Robotics, University of Minnesota

Learning and Robotics

carried out at the

Artificial Intelligence, Robotics, and Vision Laboratory, University of Minnesota



Knowledge-Based Systems

carried out in the

Department of Soil, Water, and Climate, University of Minnesota

Teaching *Teaching Statement*

Perennial (Any Term)**:**

- **Individualized Courses** (e.g., Honors Reading, Honors Research, Senior Reading and Research, Independent Studies)

Current Class:

- **Introduction to Intelligent Robotics** (Fall 2025)

Previous Classes:

- **Artificial Neural Networks and Evolution** (Spring 2024)
- **Introduction to Intelligent Robotics** (Fall 2023)
- **Artificial Neural Networks and Evolution** (Spring 2022)

- **Introduction to Intelligent Robotics** (Fall 2021)
- **Artificial Neural Networks and Evolution** (Spring 2021)
- **Introduction to Intelligent Robotics** (Fall 2020)
- **Introduction to Intelligent Robotics** (Spring 2020)
- **Introduction to Programming** (Spring 2020)
- **Artificial Neural Networks and Evolution** (Fall 2019)
- **Data Structures** (Fall 2019)
- **Introduction to Intelligent Robotics** (Spring 2019)
- **Artificial Neural Networks and Evolution** (Fall 2018)
- **Data Structures** (Fall 2018)
- **Artificial Neural Networks and Evolution** (Fall 2017)
- **Data Structures** (Fall 2017)
- **Programming Structures and Abstractions** (Spring 2017)
- **Introduction to Intelligent Robotics** (Spring 2017)
- **Artificial Neural Networks and Evolution** (Fall 2016)
- **Data Structures** (Fall 2016)
- **Programming Structures and Abstractions** (Spring 2016)
- **Introduction to Intelligent Robotics** (Spring 2016)
- **Artificial Neural Networks and Evolution** (Fall 2015)
- **Data Structures** (Fall 2015)
- **Programming Structures and Abstractions** (Spring 2015)
- **Applied Logic for Hardware and Software** (Spring 2015)
- **Introduction to Intelligent Robotics** (Fall 2014)
- **Data Structures** (Fall 2014)
- **Artificial Neural Networks and Evolution** (Spring 2014)
- **Programming Structures and Abstractions** (Spring 2014)
- **Introduction to Research in Computer Science** (Fall 2013)
- **Programming Structures and Abstractions** (Fall 2013)
- **Artificial Neural Networks and Evolution** (Spring 2013)
- **Applied Logic for Hardware and Software** (Spring 2013)
- **Introduction to Intelligent Robotics** (Fall 2012)
- **Introduction to Operating Systems** (Fall 2012)
- **Programming Structures and Abstractions** (Spring 2012)
- **Applied Logic for Hardware and Software** (Spring 2012)
- **Introduction to Intelligent Robotics** (Fall 2011)
- **Introduction to Operating Systems** (Fall 2011)
- **Programming Structures and Abstractions** (Spring 2011)
- **Applied Logic for Hardware and Software** (Spring 2011)
- **Evolutionary Computation** (Fall 2010)
- **Freshman Engineering Experience** (Fall 2010)
- **Device Programming** (iPhone Programming, Spring 2010)
- **Introduction to Intelligent Robotics** (Spring 2010)
- **Programming Structures and Abstractions** (Spring 2010)
- **Applied Logic for Hardware and Software** co-taught with Rex Page (Fall 2009)
- **iPhone Programming** for undergraduates (Summer 2009)
- **iPhone Programming** for graduate students (Summer 2009)
- **Programming Structures and Abstractions** (Spring 2009)
- **Introduction to Intelligent Robotics** (Spring 2009)
- **Programming Structures and Abstractions** (Fall 2008)
- **Programming Structures and Abstractions** (Spring 2008)

- Introduction to Intelligent Robotics (Spring 2008)
- Programming Structures and Abstractions (Fall 2007)
- Empirical Methods for Computer Science co-taught with Andrew Fagg (Fall 2006)
- Introduction to Operating Systems (Fall 2006)
- Introduction to Intelligent Robotics (Spring 2006)
- Introduction to Operating Systems (Fall 2005)
- Introduction to Intelligent Robotics (Spring 2005)
- Introduction to Operating Systems (Fall 2004)
- Introduction to Intelligent Robotics (Spring 2004)
- Artificial Intelligence (Spring 2004)
- Introduction to Operating Systems (Fall 2003)
- Introduction to Intelligent Robotics (Spring 2003)
- Introduction to Operating Systems (Fall 2002)
- Introduction to Intelligent Robotics (Spring 2002)
- Introduction to Operating Systems (Fall 2001)
- Introduction to Operating Systems (Spring 2001)
- Artificial Intelligence I (Fall 2000)
- Artificial Intelligence II (Spring 2000)
- Introduction to Operating Systems (Spring 2000)
- Artificial Intelligence I (Fall 1999)
- Artificial Intelligence I (First Summer Session 1999)
- Structure of Higher Level Languages (Spring 1999)
- Systems Programming (Winter 1999)
- Structure of Higher Level Languages (Fall 1998)
- **Artificial Intelligence I**
- **Robotics**
- **Introduction to Robotics**
- **Automata, Computability, and Formal Languages**
- **Programming Language Concepts**
- **Software Fundamentals of Computer Science**
- Structure of Computer Programming II (Second Summer Session 1996)
- **Algorithms and Data Structures I**
- **Introduction to Computer Programming**
- **Computers and Society**

Professional Memberships


American Association for Artificial Intelligence (AAAI)


American Society for Engineering Education (ASEE)


Association for Computing Machinery (ACM)

ACM Special Interest Group in Artificial Intelligence (ACM SIGART)

ACM Special Interest Group in Computer Science Education (ACM SIGCSE)


Institute of Electrical and Electronic Engineers (IEEE)

 **IEEE Communications Society**

 **IEEE Computational Intelligence Society**

 **IEEE Computer Society**

 **IEEE Education Society**

 **IEEE Robotics and Automation Society**

IEEE Systems, Man, and Cybernetics Society

Intelligent Autonomous Systems Society

 **International Association of Science and Technology for Development (IASTED)**

IASTED Technical Committee on Robotics

 **International Neural Network Society (INNS)**

 **International Society for Artificial Life (ISAL)**

Personal

Set Students Free!

The views and opinions expressed in this page are strictly those of the page author. The contents of this page have not been reviewed or approved by the University of Oklahoma.

Last update: 21 October 2025