

Technology & Visual Arts

AIDI 1001 Conversational AI Winter 2022

Course Description:

Conversational Artificial Intelligence (AI) utilizes AI systems to automate communications in real time by interpreting intent and preparing a response. Students will gain hands-on experience configuring different conversational applications such as messaging applications, voice assistants and chatbots.

Instructor:

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Office Hours:

Wednesdays 11:00am - 12:00pm

Thursdays 12:00pm – 1:00pm

Or to make an appointment

<https://calendly.com/ross-bigelow/office-hours>

Schedule of Activities & Evaluation:

There will also be weekly activities/discussion posts that are worth 10% of the final grade.

WEEK	TOPIC	ASSESSMENT <i>Assignments Due by the end of day.</i>
1	Introduction to Conversational AI	
2	Introduction to Natural Language processing	Assign #1 – Natural Language Processing (10%)
3	Introduction to web APIs	Assign #2 – Web API (10%)
4	Variables and JSON	
5	Introduction to Dialogflow	Assign #3 - Google Dialogflow (10%)
6	Dialogflow Fulfillment and Integrations	Assign #4 - Dialogflow Fulfillment/Integration (10%)
7		Midterm Test (20%) – Feb 25
Reading Week- No Class		
8	Introduction to Alexa Skills	
9	Persistence & Alexa Skills APIs	Assign #4 – Alexa Skills (10%)
10	Alexa Reminders and External APIs	
11	Alexa Presentation Language	Assign #5 – Alexa Conversations (10%)
12	Alexa Skills Kit Command Line & Publishing	
13	TBD	
14	No new content	Final Test (20%)

The sequence and content of this syllabus may change due to unanticipated opportunities or challenges, or to accommodate the learning styles of the students.

Due to extenuating circumstances and to accommodate the need for this program to be offered remotely, there may be some modifications to the evaluation/assessment. This has been approved by the Dean of Technology & Visual Arts (TVA), as directed by the Vice President, Academic.