Course:
Course Title: **Artificial Intelligence Fundamentals**
Prefix and Section Number: **CSC 113-0901**
Day(s) and Time(s): **Online**
Delivery Method: Online
Class Begins: 1/13/2025   Class Ends: 5/15/2025

Class Hours: 2   **Lab Hours:** 3   **Clinic Hours:** 0   **Credit Hours:** 3
PLEASE NOTE: I highly suggest you keep in regular communication with me, whether in person, email, video conference … I am here to help you succeed in this new field, and if you get behind, I will help us come up with a plan to succeed!

To Contact the Instructor
Instructor: Andrew Norris
Office Location: ATC 113C
Office Hours: M W 9am-10am, Tu Th 12pm-1pm, Th 7pm-8pm (online)
Phone: (910) 486-3967
Email: norrisa@faytechcc.edu

Course Description: This course offers a comprehensive exploration of artificial intelligence (AI) and machine learning (ML). It delves into the evolution and historical development of AI, tracing its journey from inception to modern advancements. The curriculum covers various applications of AI and ML in current scenarios, illustrating how they're reshaping various industries. Additionally, the course emphasizes practical demonstrations, allowing students to understand and apply fundamental concepts of AI and ML in real-world contexts.

By the end of the course, students should be able to demonstrate general concepts related to artificial intelligence and machine learning tools, as well as proficiency with common generative AI tools.

Course Requirements Reworded by AI (prompt on request):

Welcome to our exciting journey into the world of artificial intelligence (AI) and machine learning (ML)! This course will take you on an engaging adventure through the fascinating history of AI, from its humble beginnings to the cutting-edge technologies of today.

As we explore, you'll discover how AI and ML are not just buzzwords, but powerful tools that are transforming industries across the globe. With plenty of practical demonstrations, you'll get hands-on experience with these technologies, learning how to apply fundamental concepts in real-life situations.

By the end of this course, you will not only grasp the general concepts of AI and ML, but you'll also gain confidence in using common generative AI tools. Whether you're 18 or 80, this course is designed to be approachable and enriching for everyone! Let's dive in and unlock the incredible potential of AI together!

Rewording, prompt:"Summarize, with active language and practical focus":

This course provides an engaging and comprehensive journey into artificial intelligence (AI) and machine learning (ML). You will **trace** the evolution of AI from its inception to modern breakthroughs, gaining insight into pivotal milestones that shaped its development. Through dynamic lessons and discussions, the curriculum **illustrates** diverse applications of AI and ML, showcasing their transformative impact across industries. Emphasizing hands-on experiences, this course **empowers** you to understand and apply foundational concepts of AI and ML in practical, real-world scenarios.

Course Prerequisites: None

Course Co-requisites: None
Course Objectives

At the completion of this course, you will:

1. **Explore** the fundamentals of AI and ML, delving into their history and evolution to understand their impact on today's technology landscape.

2. **Master** techniques for leveraging generative AI tools across diverse domains, including administrative efficiency, creative innovation, software development, and cutting-edge experimental projects.

3. **Dive into** generative AI tools through accessible, non-technical explorations, uncovering practical applications that can transform various aspects of your personal and professional life.

4. **Cultivate** critical thinking abilities to assess, evaluate, and select the most effective AI tools tailored to specific tasks and challenges.

5. **Create** a unique semester-long project that harnesses AI in innovative, non-technical contexts, allowing you to apply your knowledge creatively and practically.

6. **Engage** in collaborative discussions and hands-on labs to deepen your understanding of AI and ML, fostering a community of learners who can share insights and experiences.

Required Textbook and Companion Homework Site:
No textbook is required. Supplemental reading and research topics will be provided via Blackboard.

Other Required Materials/Software:
A web browser.
(All other materials are optional or cloud-based)

The recommended browsers are Mozilla Firefox, Google Chrome, and Safari in the most updated version.

Microsoft Office 365 (Office 2016) is available to currently enrolled students at FTCC. The Microsoft Office 2016 app is available for download on up to five (5) computers and/or mobile devices. Direct link to download Office 365: https://login.microsoftonline.com (opens in new window).

Username: FTCCWebadvisorLogin@ad.faytechcc.edu (example: Smithj1234@ad.faytechcc.edu). Password: Active Directory (WebAdvisor) password (if you have not created an Active Directory password, you will need to do this first).

Blackboard Technical Support is available at any time, seven days a week by calling 1-888-829-9660. Assistance on specific trouble-shooting topics are found at Blackboard Help Online (opens in new window) [URL: https://help.blackboard.com/Learn/Student].

Grading Scale:
FTCC grades are based on a 4.0 grading system. Each grade is assigned a "grade-point equivalent" in quality points for each term credit hour scheduled. The grade point average (GPA) is determined by dividing the total of quality points earned by the number of term hours scheduled.

Numerical Grade	Letter Grade	Grade Point Equivalent
90-100	A-Excellent	4 grade points per credit hour
80-89	B-Good	3 grade points per credit hour
70-79	C-Average	2 grade points per credit hour
60-69	D-Below Average	1 grade point per credit hour
0-59	F-Failure	0 grade point

The complete grading scale description may be found in the current FTCC Student Handbook under "Academic Information."

Course Requirements/Methods of Evaluation:
Letter grades will be determined on the following weighted categories:

Categories	Weight
Final Project	10%
Tutorials	25%
Labs	25%
Homework	40%

Departmental Policies:

Student Responsibilities:

1. Required enrollment assignment. I will complete the enrollment activity by the posted ten percent date of the course. The date is clearly posted in the Blackboard Site. Failure to complete this activity could result in being dropped from the course.
2. I will ask questions directly and immediately if I do not understand the instructions or due dates for an assignment.
3. I will organize my time in a way that allows me to thoughtfully and thoroughly complete assignments.
4. I will be responsible for keeping up with when assignments are due and submitting them on time or before they are due.
5. I understand that technical problems related to computer connections or equipment cannot be used as an excuse for failure to complete assignments or to participate online.
6. I understand that technical problems with email require that I contact the FTCC Help Desk at 910-678-8502 for technical support.
7. I understand that technical problems with Blackboard require that I contact Blackboard Technical Support, which is available at any time, seven days a week by calling 1-866-829-9660.
8. I will fully participate in course activities by being prepared and interacting respectfully with my classmates and instructor. I understand that participation in all course components is a requirement of this course and that it counts toward my grade.

Expected Student Participation Level:

BLACKBOARD: Log on to the Blackboard site at least three times per week. This necessary for students to keep abreast of assignments, utilize provided online resources and take part in discussion boards.

EMAIL: Always use your student email to contact your instructor. Please include your section number in all email correspondence. Note: Do not use Yahoo or Hotmail accounts. Check and answer your e-mail at least three times per week.

PERSONAL INFORMATION: Make sure your phone number is correct with the Registrar's office. If your instructor attempts to contact you by phone and the phone number listed with the Registrar is incorrect or has been disconnected, and e-mail is not working, it is assumed you are no longer able to complete the course. You may correct your personal information through WebAdvisor, if needed.

ONLINE: You may also contact the instructor and/or classmates through the Help Topic on the discussion board.

Instructor Responsibilities:
1. Instructors will respond to emails and phone calls within 24 hours, Monday through Friday; within 48 hours on weekends and holidays.
2. Instructors will lead and participate in all discussion assignments.
3. Instructors will post grades and provide feedback within 5-7 days.
4. Instructors will observe regularly scheduled office hours.

Attendance–Time Commitment:
Fayetteville Technical Community College is committed to student success, retention, and progression. The College believes that when students participate in class regularly, they are demonstrating responsibility and commitment to their education. In an online course, students must actively participate weekly. Active participation includes, but is not limited to the following academically related activities:

- Attending a synchronous class, lecture, recitation, or field or laboratory activity, physically or online, where there is an opportunity for interaction between the instructor and students;

- Submitting an academic assignment;

- Taking or submitting an assessment, test, exam, or quiz;

- Participating in an interactive tutorial, webinar, or other interactive computer-assisted instruction;

- Participating in a study group or group project, whether in person or online, that is assigned by the instructor;

- Participating in a discussion in the class or posting in a discussion forum online regarding academic matters;

- Interacting with or emailing an instructor about the academic subject studied in the course.

Students who do not actively participate in at least 80% of the course may be withdrawn by the faculty member.

Academic Integrity-Plagiarism:
Academic dishonesty includes, but is not limited to, the following:

1. Obtaining test information, research papers, notes, and other academic material without authorization.
2. Receiving or giving help on tests, projects, or assignments submitted for a grade unless specifically authorized by the instructor.

3. Plagiarism, which is taking credit for another's ideas or works as if they were your own.

Penalties for plagiarism and cheating that may be imposed by the instructor include, but are not limited to, the following:

1. Rewriting the assignment.
2. Receiving a "0" on the assignment.
3. Failing the course in which the assignment was submitted.

Penalties for plagiarism and cheating that may be recommended include, but are not limited to, the following:

1. Academic probation.
2. Academic suspension.
3. Expulsion from the college.

Institutional Statement:
Each student is responsible for being aware of the information contained in the FTCC Catalog, FTCC Student Handbook, Student Code of Conduct policy, and semester information listed in the class schedule. All information may be viewed on the FTCC website.

Make-up Policy:
Late academic work submission procedures are as follows:

1. Academic assignments and projects are due by the scheduled/published dates.
2. In general, there is a 10 percent penalty for each business day that an assignment or project is late. For example, if your assignment is due on Tuesday and you submit it on Thursday, the highest possible grade you can earn is a "B." With each additional day late, there is a 10 percent penalty. Assignments may be submitted no more than one week late without prior approval from your instructor.
3. No late work will be accepted after the 90 percent date of the term without an incomplete grade approval from your instructor.
4. Certain course activities may not be eligible for late submission after the conclusion of the week, module, or unit. These include, but are not limited to, discussion boards, quizzes, and exams.
5. We know that extenuating circumstances can sometime interfere with timely submission of your work. Be sure to tell your instructor right away if you are going to be late with a submission.

6. Extenuating circumstances include, but are not limited to, personal/family member hospitalization, family member death, a severe weather event, a natural disaster, and an active military situation that prevents timely submission of work. Computer-related issues, internet connectivity, and account blocks are generally not considered extenuating circumstances.

7. You may request an extension or alternative arrangement, preferably prior to the due date, but your request does not automatically result in a waiver of the due date or of the penalties for late submissions. Your instructor may also require you to provide documentation of the reason. If your instructor determines that an extension is warranted, they will provide you with the expectations for your submission.

Course Concerns/Grade Appeals:
Students have the right to inquire about academic issues or other concerns related to the classroom environment. Inquiries should be directed to the following persons in the following order:

Course Instructor:
Instructor: Andrew Norris
Office Location: ATC 113C
Phone: (910) 486-3967
Email: norrisa@faytechcc.edu

Department Chair:
Name: David Teter
Office Location: ATC 113E
Phone: 678-8571
Email: teterd@faytechcc.edu

Dean:
Dean: Dwayne Campbell
Office Location: GCB 215A
Phone: 678-8509
Email: campbeldw@faytechcc.edu

Americans with Disabilities Act (ADA):
FTCC facilitates the implementation of reasonable academic accommodations, including resources and services for students with disabilities, chronic medical conditions, a temporary disability, or other health related conditions resulting in difficulties with accessing learning opportunities. All accommodations are coordinated through the Disability Support Services Office located in the Tony Rand Student Center, Room 127, or call 910-678-8349 or

910-678-8559. Please contact the Disability Support Services Office (opens in new window) [URL: https://www.faytechcc.edu/campus-life/accessibility/] as early in the semester as possible.

Title VI, VII, and IX Non-Discrimination Statement:
FTCC does not practice or condone discrimination in any form against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, disability, or political affiliation. FTCC commits itself to positive action to secure equal opportunity regardless of those characteristics.

FTCC supports the protection available to members of its community under all applicable federal laws, including Title VI and VII of the Civil Rights Act of 1964 and 1991, Title IX of the Educational Amendments of 1972, Sections 799A and 845 of the Public Health Service Act, the Equal Pay and Age Discrimination Acts, the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and Executive Order 11375. For more information, please visit the Title IX and Equal Opportunity (opens in new window) [URL: https://www.faytechcc.edu/title-ix-equal-opportunity/] page on the FTCC website.

Syllabus/Schedule Changes:
This syllabus may be changed at the instructor's discretion, with proper notification to students. Any changes will be promptly noted in Announcements and emailed to the student's FTCC student email account.