



ARTIFICIAL INTELLIGENCE IN MEDICINE (HONORS)

INSTRUCTOR: MS. SHADDY VISTE | SHADDY_VISTE@CHINO.K12.CA.US

CONTACT INFORMATION

Ms. Viste – Room C109

Shaddy_Viste@chino.k12.ca.us

Recommended COURSE MATERIALS

- Charged Chromebook
- Provided articles
- Pen/Pencils (colored is optional but highly recommended)
- Highlighters
- College-ruled notebook

COURSE DESCRIPTION & OVERVIEW

Students are introduced to the history, contemporary, and future of the field of medicine through the lens of artificial intelligence. We will explore philosophies of medical practices around the world to understand the mechanisms and actions taken to aid the body in maintaining homeostasis. Students use vital signs as clues to understand a lack of equilibrium, while exploring the multiple modalities used to prevent, diagnose, and treat disorders in body systems. Students conduct research, investigate, and develop design solutions to better understand the future and applications of artificial intelligence in medicine.

The course is taught in a traditional classroom setting and structured around six main units. Within each unit, students will build heavily on skills in research, collaboration, critical thinking, inquiry, and presentation.

- Unit 1: Philosophy of Medicine
- Unit 2: Homeostasis and Essentials for Life Functions
- Unit 3: Vital Signs and Current Technology in Testing/Diagnosis
- Unit 4: Artificial Intelligence in Medicine
- Unit 5: Data Mining and Genetics
- Unit 6: Ethics and Considerations

COURSE POLICIES

Classroom Foundations (Behaviors and Expectations)

- Collaborative
- COMMUNICATION - This classroom emphasizes communication between instructors and students. If you have concerns, confusions, need help/extra time for emergencies, tell me.
- Four Bees:
 1. **Be Safe** – Be present physically and mentally, and actively participate. Use of electronic devices is explicitly prohibited unless directed by the teacher.
 2. **Be Responsible** – This does not just include completing work on time. Take agency and autonomy in our classroom.
 3. **Be Respectful** – Disrespect of any kind will not be tolerated. Respect yourselves and others, including classmates, instructors, guests, and materials. Respect our classroom by refraining from eating and handling materials/tools with care.
 4. **Be Resilient** – Stay focused, use time wisely, and support each other.

Classroom Behavior Protocol

- A. Warning and Apology
- B. Teacher Intervention (including, but not limited to alternative assignment or seating)
- C. Administrative Intervention

Academic Integrity and Protocols

- Abide to Chino Valley Unified School District and Chino High School policies on academic integrity.
- Do not lie, cheat, plagiarize, or commit other acts of academic dishonesty.
- Complete all assignments as your own. Required papers are subjected to submission for textual similarity review for the detection of plagiarism (through Turnitin.com or similar).
- Use of Artificial Intelligence: Generative AI tools must be used ethically, responsibly, and intentionally to support student learning, not to bypass it. AI may be used as optional aids for exploration of potential topics of inquiry, initial searches for sources of information, confirming their understanding of a complex text, or checking their writing for grammar and tone. However, students must read primary and secondary sources directly, perform their own analysis and synthesis of evidence, and make their own choices on how to communicate effectively in their assignments. It remains the student's responsibility to engage deeply with credible, valid sources and integrate diverse perspectives when working on an assignment.

Violation of Academic Integrity is unacceptable and will **not be tolerated**. Students found to have committed an act of academic dishonesty shall be subject to Chino Valley Unified School District and Chino High School discipline policies.

Consequences may include, but are not limited to, the following: a zero grade on the assignment, project, assessment, or any other activity where the academic dishonesty occurred, parent notification, and disciplinary action (e.g., administrative detention, Friday Work/Study, ALC, suspension).

Late/Make-up Work (including Absences)

Any assignments turned in after a given due date are considered late. Assignments turned in after the due date but before 24 hours may be eligible to receive a **maximum of half credit**. Assignments turn in after 24 hours will not receive any credit.

Absences: During an absence, students are responsible for communicating with the teacher and obtaining the missing assignment immediately upon return.

- 1 extra school day given (after return) to turn in work for any **excused** absence unless otherwise determined by the teacher.

Make-Up

- Students must schedule a time for a make-up test if needed. Note that the course is 60% assessment.
- Test can be made up until 3 days after the administration of the test.
- Credit Recovery available for assessments

EVALUATION OF STUDENT ACHIEVEMENT

The course grade given to each student shall be based on student achievement in meeting the requirements specified in the California Next Generation Science Standards and the Chino Valley Unified School District Course Description.

Evaluation is based on the following criteria:

- Assessments (Formative and Summative) – 60%
- Classroom and Homework – 40%

Course Content		Work Habits/Effort/Behavior	
A	90 – 100%	O	Outstanding
B	80 – 89%	S	Satisfactory
C	70 – 79%	N	Needs Improvement
D	60 – 69%	U	Unsatisfactory
F	0 – 59%		

Note: Plus and minus signs may be used at the discretion of the teacher, but do not affect grade point average. As there are multiple opportunities for students to earn points, the ranges indicated above are absolute.

Grades and can be accessed online via the student and/or parent Aeries Portal.

STUDENT AND PARENT AGREEMENT

Signing of this page serves as an acknowledgment that both student and parent/guardian have read, understand, and agree to the Artificial Intelligence in Medicine course expectations as outlined above. In addition, the signature of this page indicates familiarization with the Biomedical Science and Technology Academy policies found in the school handbook.

Student Name (Print)

_____/____/____
Student Signature & Date

Parent/Guardian Name

_____/____/____
Parent/Guardian Signature & Date