

# Artificial Intelligence (AI) in the Classroom

Think like a nurse...not like a bot!

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Artificial intelligence (AI) involves computer systems able to perform tasks that typically require human intelligence. New platforms, such as ChatGPT, Bard, and Bing have recently entered the academic arena. The generative functions of these platforms raise several concerns amongst faculty, including those related to bias, inaccuracies, and ethical concerns, including plagiarism. Nursing faculty can utilize AI technology within the classroom to encourage active learning, critical thinking, and problem-solving. More importantly, the use of AI technology in the classroom can demonstrate to students that nursing knowledge and judgment cannot be replaced by a bot. Methods of utilizing AI within the classroom are introduced below.

## EXAMPLE #1

- Utilize the bot to generate a client story that correlates to classroom content.
- Prompt students to elaborate upon the response generated to incorporate anticipated medications, diagnostic results, and provider prescriptions.
- Encourage students to create a NGN case study based on the client's story. Have students provide a rationale for work.

### Prompt Exemplar:

Write a story about a patient with coarctation of the aorta.

## EXAMPLE #2

- Utilize the bot to create teaching materials for a client.
- Prompt students to edit or expand upon the materials to include appropriate education specific to the client. Students should consider all aspects of patient education.

### Prompt Exemplar:

Write patient education for a patient with hypertension.

## EXAMPLE #3

- Utilize the bot to create a nursing care plan for a client. The care plan generated should include nursing diagnoses, outcomes, and interventions.
- Prompt students to revise the care plan in order to meet the needs of a unique client. Students should provide rationales for all edits made.

### Prompt Exemplar:

Write a nursing care plan for a patient with heart failure.

### Try It!

Scan the QR code to review sample responses generated by ChatGPT. Add your comments to edit or expand upon the generated text. How would you encourage active learning, critical thinking, and problem-solving?



## PATIENT CENTERED CONSIDERATIONS

When editing AI responses, students should be prompted to consider the following:

- Teamwork & Collaboration
- SDOH
- Health Beliefs & Practices
- Environmental Factors
- Medical History or Comorbidities
- Age / Gender
- Medications, Diagnostics, Procedures
- Individual Nurse Factors

## CLASS PREP IDEAS

- Case study creation
- Topic generation for individual or group work
- Student support (tutoring for dosage calculation, study schedule creation, reading/writing support, etc.)

## References

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