

Lesson Plan Template

SECTION 0: LESSON OVERVIEW

Lesson Information

Lesson Title: Creating Synthetic Content

Program of Instruction (POI): Countering Malign Influence / Version 1.0

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IMPORTANT

Training Material Classification: UNCLASSIFIED

Distribution Restriction:

- A. Approved for public release; distribution is unlimited.

Destruction Notice:

- N/A for the project: automatically rendered based on Distribution Restriction

Foreign Disclosure:

- FD1 - This training product has been reviewed by the training developer in coordination with the <INSERT ORG> foreign disclosure officer. This training product can be used to instruct international military students in all approved countries.

SCOPE OF LESSON

This 40-minute lesson is an introductory orientation to AI-generated content creation. The end state of this lesson is for students to be able to recall and apply the necessary steps to effectively generate AI content. The author's intent is that students learn key principles and procedures through a series of scenario-based exercises. By the end of the lesson, students should have a solid grasp of the actions to take in the relevant scenarios. This lesson is common to all applicable departments and links to other parts of the curriculum by reinforcing the character attributes of accountability and responsibility.

Learning Objectives

Terminal Learning Objective (TLO):

Action: Generate AI Content **Condition:** Given access to AI tools and example prompts **Standard:** Successfully create AI-generated content that meets specified quality standards and is relevant to the given prompts

Enabling Learning Objective (ELO) / Learning Step Activity (LSA):

Action: Select and configure AI tools **Condition:** Given a set of AI tools and example data **Standard:** Configure the tools and generate content with minimal errors

References

1. AI Master List Tool - <https://doc.clickup.com/25598832/d/h/rd6vg-14247/0b79ca1dc0f7429/rd6vg-12207>

2. AI Catalog Repo - <https://github.com/mehmetkahya0/ai-catalog>

SECTION 1: ADMINISTRATIVE DATA

Instructional Guidance

Conduct of Lesson | NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identifying reference material. - Watch the tutorial video until it bores you. This is important because, during the Concrete Experience, you should be observing the students. - Before the lesson, set up one easel in each corner of the classroom. Place a marker set with each easel, and affix one scenario sheet (face down) to each easel. - Before class, play the video completely through one time. This will reduce computer lag.

1. The importance of this lesson: (Why)

This lesson is crucial as it equips students with the necessary skills to create AI-generated content, a valuable skill in countering malign influence by generating accurate and engaging content.

2. What we want our students to Achieve: (Outcomes/Standard)

Students should be able to generate AI content that is accurate, engaging, and appropriate to the given scenario, aligning with the principles taught in the lesson.

3. A Possible Technique to Achieve the Outcome

1. Use iterative prompts to refine the generated content, starting broad and narrowing down specifics.

4. AAR Guidance for this Lesson

1. Conduct an After Action Review (AAR) to discuss what went well and what could be improved.

Lesson Requirements

Instructor Requirements

An instructor must: 1. Review the entire lesson plan for each lesson they will cover. 2. Be able to obtain, access, and be familiar with the required material and equipment. 3. Read and understand the referenced material.

An instructor must attend the following training:

1. AI Content Creation Certification
2. Countering Malign Influence Course

An instructor should:

1. Have received this block of instruction as a student
2. Participated in this instruction as an assistant instructor for this lesson
3. Participated in the AAR for this lesson

Additional Support

Required or Requested Support

- Technical support for AI tools setup and configuration.

Guidance for Assistant Instructors

- Assist in setting up and troubleshooting AI tools.

- Monitor student progress and provide guidance during exercises.

Equipment and Material Required for Instruction

Lesson Material, Ammo, Expendable, etc.

Equipment	Student Ratio	Instructor Ratio	Quantity	Expendable
Computer, Keyboard, Touchpad	1:1	1:2		no
Slides			1	no
Projector			1	no
Terminal app	1:1	1:2		

Pre-Requisite Tasks

1. Complete basic training on AI content generation tools.

Knowledge Required

1. Understanding of basic AI concepts.
2. Familiarity with AI content generation tools.

Skills Required

1. Ability to navigate and use AI tools.
2. Basic data input and configuration skills.

Supporting Tasks

Tasks Taught

1. Selecting appropriate AI tools.
2. Configuring AI tools.
3. Generating and refining AI content.

Tasks Supported

1. Reviewing and editing AI-generated content.

Tasks Reinforced

1. Applying best practices in AI content generation.

Lesson Timeline

Academic (y/n)	Broad Topic	EST TIME Min	Methods
Instructor	Instructor Rehearsal	5	Rehearsal
Instructor	Classroom Setup	0	Setup
y	Concrete Experience	5	Generating Synthetic Content
y	Publish and Process	4	Discussion
y	Generalize New Information	12	Best Practices for AI Content
y	Develop	6	Applying Best Practices
y	Apply	10	Practical Exercise
y	Assessment / Check On Learning	4	Summary and Feedback

SECTION 2: LESSON INTRODUCTION

Concrete Experience / Motivator: NOTE: Tell an interesting anecdote based on your experience, or recall a recent current event pertaining to the lesson unit topic to gain the student’s attention and motivate them to learn the lesson material. The student should be made aware of the Army’s Contemporary Operational Environment factors such as the physical environment, military capabilities, technology, and information.

Example: “In a recent incident, AI-generated content was used to spread misinformation that led to significant operational disruptions. Being able to identify and create accurate AI-generated content is crucial for maintaining the integrity of our operations.”

NOTE: Go to Slide 1

Instructional Lead-in: “The learning objectives for this block are to generate AI content effectively using specific tools and best practices.”

NOTE: Go to Slide 2

Scope Statement: During this 40-minute block of instruction, the students will learn to generate and refine AI content using structured techniques. They will participate in practical exercises to apply these techniques and gain confidence in their ability to use AI tools effectively.

Publish and Process

1. Introduce the learning objectives.
2. Explain the significance of being able to generate and refine AI-generated content.

NOTE: Go to Slide 3

SECTION 3: LESSON PRESENTATION

Learning Step Activity (LSA) 1: Introduction to AI Content Generation

SLIDE 1

Learning Step Activity Text:

1. Overview of AI content generation tools.
2. Components of AI content generation: Text, Visual, and Code.
3. Memorization Activity: Have students memorize the components of AI content generation.

Activity

1. Present an overview of AI content generation tools. (5 minutes)

2. Explain each component in detail. (10 minutes)
3. Have students quiz each other to memorize the components. (5 minutes)

NOTE: Go to Slide 2

Learning Step Activity (LSA) 2: Detailed Analysis of AI Content Generation Components

SLIDE 2: Text Generation

Learning Step Activity Text:

- Identify best practices for generating text content using AI tools.

Activity

1. Present examples of good vs. poor prompts for text generation.
2. Discuss how to create effective prompts.
3. Demonstrate generating text content using an AI tool.

NOTE: Go to Slide 3

SLIDE 3: Visual Content Generation

Learning Step Activity Text:

- Identify best practices for generating visual content using AI tools.

Activity

1. Present examples of good vs. poor prompts for visual content.
2. Discuss how to create effective visual content prompts.
3. Demonstrate generating visual content using an AI tool.

NOTE: Go to Slide 4

SLIDE 4: Code Generation

Learning Step Activity Text:

- Identify best practices for generating code using AI tools.

Activity

1. Present examples of good vs. poor prompts for code generation.
2. Discuss how to create effective code generation prompts.
3. Demonstrate generating code using an AI tool.

NOTE: Go to Slide 5

Learning Step Activity (LSA) 3: Practical Application of AI Content Generation Techniques

SLIDE 5: Practical Exercise

Activity

1. Divide students into groups and provide each group with various prompts to create content using AI tools. (10 minutes)
2. Have each group present their generated content to the class. (10 minutes)
3. Provide feedback and discuss the effectiveness of their prompts and generated content.

NOTE: Go to Slide 6

SECTION 4: SUMMARY

During this block of instruction, we covered the following:

1. Introduction to AI content generation tools.
2. Detailed analysis of generating text, visual, and code content.
3. Practical application of AI content generation techniques.

MOI: Discussion (small or large group)

Check on learning: (Terminal Learning Objective (TLO) Check on learning)

Question: What are the best practices for generating AI content?

Answer: The best practices include being specific, iterating and refining, providing context, using multiple services, reminding AI of constraints, and creating templates.

Review/Summary: During this block of instruction, we learned how to generate AI content effectively using various tools and best practices.

SECTION 5: STUDENT EVALUATION

Testing Requirement

NOTE: Describe how the student must demonstrate accomplishment of the TLO. Refer the class to the Individual Student Assessment Plan.

The student must demonstrate the ability to generate AI content that meets specified quality standards and is relevant to the given prompts.

Student Feedback Requirement

NOTE: Feedback is essential to effective learning. Schedule and provide feedback on the evaluation and any information to help answer class questions about the test. Provide remedial training as needed.

APPENDIX A - Audio Visual Masters

Required Audio-Visual Material and Handouts

Sequence	Media Name	Attachment or URL	Media Type
1	Master Slide Deck		PPTX
2	Slide Deck		PPTX
3	Handout - Topic 1		PDF
4	Handout - Topic 2		PDF
5	Video File - Topic 3		MP4

APPENDIX B - Assessment Statement and Assessment Plan

Assessment Statement:

The lesson's TLO will be assessed based on the student's ability to generate AI content that meets specified quality standards and is relevant to the given prompts.

Assessment Plan:

Detailed assessment procedures include using performance checklists to evaluate the generated content's accuracy, relevance, and quality.

APPENDIX C - Practical Exercises and Solutions

The lesson includes practical exercises where students create AI-generated content based on given prompts. The exercises are designed to reinforce the lesson's objectives and provide hands-on experience with AI tools.