

CMU College of Medicine Office of Faculty Development

AI in Medical Education Series Part 1: Introduction to Large Language Models

Course Overview / Description

This presentation introduces participants to generative artificial intelligence (AI) and large language models, such as **ChatGPT**. It contains examples of how AI can be used in medical education to enhance thinking and improve work productivity.

Learning Objectives

At the end of this presentation, attendees will be able to:

- Define generative artificial intelligence and large language model (LLM).
- Describe some common types of AI prompts used in LLM's by medical educators.
- Construct an effective prompt that would be useful in your work in medical education.

Speaker/Course Planner/Activity Director



John E. Lowry, PhD

Dr. John Lowry is the Director of Faculty Development and an Associate Professor of Education at Central Michigan University (CMU) College of Medicine. He is also the assistant director of the CMU Academy of Medical Educators. Dr. Lowry has a bachelor's degree in sports medicine from Brigham Young University, a master's degree in exercise science from the University of Oregon, and a Ph.D. in higher, adult, and lifelong education from Michigan State University. Prior to coming to CMU, he was an Associate Professor of Kinesiology at Saginaw Valley State University. His research centers on medical education, faculty development, and physician /resident wellness.

Target Audience: Physicians, Nurses, PAs, Advanced Clinical Practitioners and all healthcare professionals

Disclosure: Speaker and Planner have no relevant financial relationships with ineligible companies.

Cost: None

Accreditation

(NOTE: Each course in the AI in Medical Education Series is certified for 1.0 AMA PRA Category 1 Credit™)

Central Michigan University College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education to physicians.

Central Michigan University College of Medicine designates this enduring material for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Michigan Board of Nursing, American Nurses Credentialing Center (ANCC), American Academy of Nurse Practitioners (AANP) and the National Commission on Certification of Physician Assistants (NCCPA) accept *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

Documentation Sources & References

U.S. Department of Education, Office of Educational Technology, Artificial Intelligence and Future of Teaching and Learning: Insights and Recommendations, Washington, DC, 2023. Available at <https://tech.ed.gov>

National Academies of Sciences, Engineering, and Medicine. 2023. Artificial intelligence in health professions education: Proceedings of a workshop. Washington, DC: The National Academies Press. <https://doi.org/10.17226/27174>.

Russell, R. G., Lovett Novak, L., Patel, M., Garvey, K. V., Craig, K. J. T., Jackson, G. P., Moore, D., & Miller, B. M. (2023). Competencies for the Use of Artificial Intelligence-Based Tools by Health Care Professionals. *Academic medicine : journal of the Association of American Medical Colleges*, 98(3), 348–356. <https://doi.org/10.1097/ACM.0000000000004963>

White, J., Fu, Q., Hays, S., Sandborn, M., Olea, C., Gilbert, H., Elnashar, A., Spencer-Smith, J., & Schmidt, D.C. (2023). A Prompt Pattern Catalog to Enhance Prompt Engineering with ChatGPT. ArXiv, abs/2302.11382. Available at <https://arxiv.org/abs/2302.11382>

Disclosure Policy

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- You must complete the post-test to obtain *AMA PRA Category 1 Credit™*
 - 75% of the questions must be answered correctly
 - Once you have completed viewing the video, close the video window tab to proceed to the Post Test
 - Upon passing the Post Test (75%), you will automatically be taken to the evaluation
 - Complete the evaluation and receive your credit
 - You can either print your CME certificate, save it to your files as a pdf, or the Office of Continuing Medical Education can email it to you.
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**For any questions regarding content, the post-test, CE credit
or matters involving continuing education in the health professions,
please contact:**

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Central Michigan University College of Medicine
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Website: med.cmich.edu/cme
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CME Accreditation and Joint Providerships

Central Michigan University College of Medicine has been reviewed by the Accreditation Council for Continuing Medical Education (ACCME®) and awarded Accreditation with Commendation for six years as a provider of continuing medical education (CME) for physicians. Accreditation with Commendation is the ACCME's mechanism for recognizing and celebrating organizations that excel as CME providers.

The Office of Continuing Medical Education (OCME) offers joint providership accreditation to non-accredited providers for conferences, courses, seminars, regularly scheduled series, and symposiums (virtual and/or in-person) for healthcare professionals. Full-service CME planning and event production services are available. For further information, please visit our website at med.cmich.edu/cme, contact the OCME at 989-746-7602 or email CMEDCME@cmich.edu.
