Michigan Technological University’s Department of Cognitive and Learning Sciences, in partnership with the Michigan Space Grant Consortium, will be offering an online graduate course during Track B of the Summer 2018 Semester. This course may be used as an elective for MTU’s Applied Science Education Master’s Degree or towards professional certification.

**ED5540 Teaching Science in Three Dimensions: The NGSS in Theory and Practice**

*This course examines the Next Generation Science Standards and Framework for K-12 Science Teaching (NGSS), the theory underlying them, and what it will take for teachers to transform science teaching practice in ways that align with these standards. The course will focus on critiquing and developing lessons and assessments that incorporate the three dimensions of disciplinary core ideas, cross-cutting concepts, and science and engineering practices. The benefits and challenges of integrating across science and engineering disciplines will be discussed.*

**Course Details:**
3 credits, Graduate
Instructor: Dr. Amy Lark
Fee: $200* includes course materials
Registration deadline: June 11, 2018

**For course registration, please contact:**
Rachelle Gariepy, Teacher Professional Development Coordinator - teacherpd@mtu.edu - (906) 487-2460

If you are not currently enrolled at Michigan Tech, you will need to apply for non-degree seeking graduate student status by June 18, 2018. Instructions can be found at: www.mtu.edu/cls/education/development/institutes

*A departmental stipend and funding from the Michigan Space Grant Consortium to Michigan Technological University help to reduce official Michigan Tech tuition for teachers with proof of current certification (2017/18 Official Applied Science Education Graduate Resident and Non-Resident is $637 per credit)*