


Project MOOC: A Status Update

A Massive Online Open Course (MOOC) for
Michigan's
Annual Occupational Authorization (AOA) Teachers

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CTE Advisor
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College of Education



Career + Technical Education

Project MOOC: A Status Update

Project Funded by:


Michigan Department of Education
Office of Career and Technical Education
2013-14 Teacher Education Grant

Project MOOC: A Status Update

Presentation Goals:

Participants will:

- Be provided with an overview of the 2014 Project MOOC course instructional modules
- View examples and illustrations of student assignments and projects completed during the 2014 Project MOOC course.
- Be able to share with others the Project's findings and provide support for others to participate in the 2015 Project MOOC course.



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Annual Authorization

- **What is it?**
 - Permission to teach in a federally funded classroom without an Interim Occupational Certificate (IOC) or an Occupational Certificate (OEC).
 - Issued by the MDE/OCTE upon the recommendation of the school district's evaluation of the applicant's work experience.

Administrative Rule: R 390.1165

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Annual Authorization

- **Parameters**
 - Issued *annually* to the School District
 - Issued for teachers without an **IOC**
 - Only for CTE federally funded classroom teaching positions

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Annual Authorization

- **Parameters**
 - If a candidate does not meet the standards described for obtaining the interim occupational certificate, an evaluation of recent and relevant work experience can be used to issue an annual occupational authorization.
 - Issued to the requesting school district for teachers without an Interim Occupational Certificate (IOC).
 - Exemption from advertising the position for eight (8) years.

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Annual Authorization

- Parameters (R 390.1165)
 - Conditions for continuation of employment
 - The noncertificated must **annually and continually enrolled and completing credit in an approved occupational teacher preparation program** leading to appropriate occupational certification.
 - Annually, must successfully complete **one credit** defined in the related teacher preparation program. (The university courses to be counted for academic credit must have been completed in the **previous** academic year).



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Interim Occupational Certificate

- What is it?
 - The Interim Occupational Certificate is valid for teaching in those courses in which instruction is limited to the occupation specified on the certificate in approved occupational programs.
 - Interim Occupational Certificates issued within a calendar year expires 5 years from June 30 of that year. (if issued after September 1, 2013)

Administrative Rule: R 390.1163

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Interim Occupational Certificate

Can be acquired if **ALL** the following conditions exist. The candidate:

- Possesses a baccalaureate degree.
- Has a major or minor in the field of specialization in which occupational certification is being requested. Typically, a minimum of 24-30 credit hours in academic credit in the occupational area.
- Has a minimum of 2 years (4,000 hours) of experience in the occupational area concerned or has completed a planned program of directed supervised occupational experience approved by the superintendent of public instruction. The occupational experience shall be characterized by its relevancy and recency.
- Has passed both the state teacher preparation basic skills test **and** appropriate subject area test or tests available at the time of application.
- Has **successfully completed a minimum of 6 semester credit hours of professional or vocational education credit.**

NOTE: Some institutions may include institutional requirements in additional to those above.

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Project MOOC: Professional Tools for AOA Teachers

Offered through Blackboard's



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Project MOOC: Professional Tools for AOA Teachers

PURPOSE: To provide Annual Occupational Authorization (AOA) CTE teachers with ubiquitous access to professional/vocational education credit which may also be used to satisfy the requirements for Interim Occupational Certification

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Project MOOC: Professional Tools for AOA Teachers

Stipulations:

- Open only to Career and Technical Education (CTE) Annual Occupational Authorization teachers
- CTE Administrator recommendation was required
- Limited to **15** Participants for the Summer (July-August) 2014 Pilot

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Project MOOC: Professional Tools for AOA Teachers

- Designed to satisfy three (3) of the six (6) credit hours required for the IOC
 - At WSU, can be used to satisfy course requirements for the course: CTE 5410 - Teaching in the Career & Technical Education Classroom I
 - Offered entirely online
 - Asynchronous assignments and activities
 - self-paced delivery within specific time frames
 - **Dates Held:** June 30 through August 11, 2014

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Project MOOC: Professional Tools for AOA Teachers

Course Description - In this MOOC, instructional practices for competency-based, occupational education settings are addressed, including an examination and the application of teaching techniques, basic assessment and evaluation.

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Project MOOC: Professional Tools for AOA Teachers

- Outcomes** – Students will be prepared:
- ✓ To articulate related terms and definitions for career and technical education.
 - ✓ Compare/contrast teaching methods, learning styles and classroom management techniques.
 - ✓ Identify teaching strategies that address multi-cultural diversity and teaching in an urban setting.
 - ✓ Develop behavioral performance objectives.
 - ✓ Create authentic assessments to address industry competencies.
 - ✓ Respond to the unique needs of all learners (includes the effective use of CTE student data)

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Project MOOC: Professional Tools for AOA Teachers

Here's what happened.....

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Our Participants

- 25 Email Inquiries
 - 20 were eligible to apply
 - 16 completed the application process and were accepted (Five [5] decided not to continue.)
 - One (1) withdrew just before starting the course
 - 10 started the course
 - One (1) failed to complete all activities/assignments
 - 9 completed the online course

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Our Participants

There were 7 participants from CTE centers within the Metro Detroit area, and three (3) outstate participants.

Occupational areas:

Culinary Arts	Construction Trades (Plumbing)
Computer Aided Design	Law Enforcement
Dental Occupations	Auto Tech
Health Sciences (2)	Biomedical Engineering
Digital Media	

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Instructional Modules

- **Four (4) Instructional Modules**
 - Seminar A: Course Overview and CTE History
 - Seminar B: Curriculum & Navigator
 - Seminar C: Teaching/Learning for all Students
 - Seminar D: Lesson Planning & Evaluation

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Seminar A: Course Overview and CTE History

While completing module/course assignments and activities, Project MOOC students will:

- Complete Course Overview and Orientation activities related to the online environment
- Become familiar with the history of Career and Technical Education
- Be introduced to concepts related to teaching in an Occupational Classroom
- 95% of the participants scored at passing levels on the quiz

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Seminar B: Curriculum & Navigator

While completing module/course assignments and activities, Project MOOC students will:

- Be introduced to Michigan's CTE curriculum via Michigan Navigator and
- Become familiar with instructional design to support the occupational curriculum.
- 100% of the participants scored at passing levels on the quiz

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Seminar C: Teaching/Learning for all Students

While completing module/course assignments and activities, Project MOOC students will:

- Identify instructional activities for specific student populations,
- Select appropriate teaching strategies,
- Enhance the learning environment for special needs students and
- Design and conduct meaningful demonstration presentations
 - [Seminar C Response Video #1](#)
 - [Seminar C Response Video #2](#)
 - [Seminar C Response Video #3](#)
 - [Seminar C Response Video #4](#)

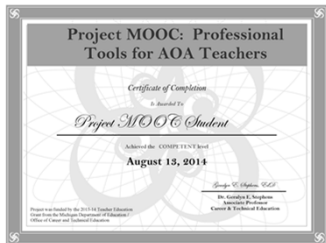
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Seminar D: Lesson Planning & Evaluation

While completing module/course assignments and activities, Project MOOC students will:

- Become familiar with assessment/evaluation strategies and techniques and
- designed lesson plans for technical standards in their occupational area.
 - [Let's see their results!](#)

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55% of participants - Proficient
44% of participants - Competent

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Testimonial

My thoughts on Project MOOC: Professional Tools for the AOA Teacher still has me "smiling." This project was something that I thought would be a "sterile" online course. It was refreshing to work with Instructor GERALYN E. STEPHENS, Ed.D. and not be "bored" in front of a computer because this was only my second online course.

I really enjoyed the overall sessions but most importantly they kept me on task with the interesting concepts and activities. I may be rambling but some of the things that I enjoyed and has helped me tremendously in the classroom are Developing Performance Objectives; Learning Objectives; Identifying Student Differences; Instructional Objectives; Lesson Plans etc. (there was so much).

Since taking this course I also have become more computer savvy. The Blackboard CourseSites Learning Management System seemed foreign at first but Dr. Stephens clear instructions made it easier to use. The assessment exams were wonderful and pertained to what we studied in each lesson. I loved making the Demonstration Video and having others judge me since my students are judging me each day.

I truly wish this was available when I first started teaching but this tool should be able to help anyone in a teaching position. This would also be a good refresher course or modified for teacher professional development.

I could go on and on but in closing, this was the best course that I have taken since becoming a teacher and it has prepared me for the unexpected in the classroom, because I'm trained by Project MOOC. :) -Mr. Gregory S. Edwards

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Testimonial

Thank you for the excellent job you did on the MOOC project. I found the online environment easy to use and the course content pertinent to my needs in the classroom.

I hope you'll continue to provide this and other **online** courses that address the needs of CTE teachers in the future.

Thanks again,
Richard C. Swords, C.B.E. / Biomedical Instructor

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Testimonial

This was the best online course I have ever taken. Instructor's videos made following directions very easy. Grades were returned in a very timely manner and assignments and rubrics were easy to follow. Assignments pacing was very fair. Content was challenging, but fair.

Assignments covered important topics for newer teachers. This course was extremely helpful for me to keep my annual authorization.

I would be very interested in additional courses from your department. I was amazed at the quick responses from Dr. Stephens to all of my questions.

Steven Trachsel – Rochester Public Schools

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Project MOOC: Professional Tools for AOA Teachers

Available: Spring 2015 (May – June)
Applications due: April 1, 2015
Limited to: 30 Participants
Contact: **Dr. GERALYN STEPHENS**
geralyn.stephens@wayne.edu

Application online at: http://coe.wayne.edu/ted/career/2015_project_mooc_application.pdf

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Questions ?

