



MODEL TEACHING®
Education for Better Educators

Project-Based Learning

COURSE SYLLABUS



MODEL TEACHING

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3 Semester Credits

Course Credit Provided Through Our Partner,
University of Alaska Anchorage

Course Offered in Partnership With University of Alaska Anchorage

UNIVERSITY PARTNER	CREDITS	REGIONAL ACCREDITATIONS	COURSE NUMBER
 UNIVERSITY of ALASKA ANCHORAGE.	3 Graduate-Level Semester Credits	Northwest Commission on Colleges and Universities (NWCCU)	TBD

Clear, Template-Based Course Format.

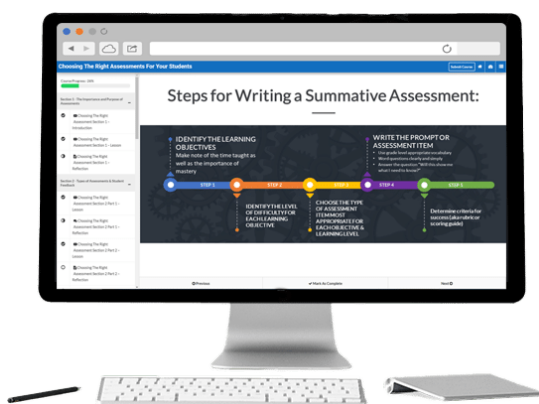
We know teachers are busy. That's why we make our course format as straightforward as possible.

- ✓ **Template-based assignments with no long essays** – we want you to focus on the learning content seamlessly and hassle-free. You'll get high-quality learning without wasting time on long, open-ended essays.
- ✓ **No busy work** – our template prompts are designed to give you an easy way to showcase your learning so you can focus more on the content and come away with a plan of action.
- ✓ **Streamlined & standardized course format** – from video lessons to built-in live chat with our instructors; once you complete one course with us, you will know exactly what's expected for the rest of your courses.



Fast & Convenient. Start Immediately & Work At Your Own Pace.

On a tight timeline? We can help! With ultra-fast credit/transcript processing and rolling credit processing, you can make your salary advancement deadline.



- ✓ **Pick your courses & get started** – start immediately or wait to begin in the semester of your choice.
- ✓ **Ultra-fast credit & transcript processing** – get your transcripts fast. We will help you meet your salary advancement deadline.
- ✓ **1 full year of course access** – you will have a full year to choose and work on your courses. Our course bundles allow you to control when you begin your learning and in which semester.
- ✓ **100% online** – with our video-based lessons and content, you will not have to wait for textbooks or specific start times. You can begin your learning as soon as you register!

COURSE TITLE:

PROJECT-BASED LEARNING



Credit/ Hours: 3 Graduate-Level Semester Credits

Credit- hour equivalency. This course is a 3-credit hour course that consists of 45 hours of in-seat time. Model Teaching courses can be completed at your own pace, and your transcript will reflect the semester in which your credits are processed. Courses include reading content, watching content videos, reviewing resources, and participating in activities throughout the course. See the Course Outline later in this syllabus for a detailed look at the course structure and components.

Each Model Teaching-partnered University is regionally accredited and offers continuing education courses to educators. These courses are post-baccalaureate credit courses that are designed primarily for professional development, salary advancement, and license renewal purposes. All credit- granting online university partnered courses taken through Model Teaching will include access to graduate- level semester credits with an official transcript and letter grade.

COURSE DESCRIPTION

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In this course you will learn the Project Based Learning (PBL) Lesson Cycle and how to implement inquiry into cross- curricular projects that are aligned to specific objectives. Throughout the course, you will design your own cycle of PBL that can be immediately implemented into your own classroom. The course guides you through the development process with step- by – step implementation using templates, tools, and resources designed to effectively implement PBL into your current or future classroom. Then, after you have fully developed a complete PBL plan, you will explore the strategies involved in planning and executing individual inquiry- based lessons throughout the PBL lesson cycle.

COURSE OBJECTIVES

Participants will be able to:

- i. Understand the components of the project-based learning cycle
- ii. Identify what a PBL cycle looks like in the classroom, and common misconceptions
- iii. Analyze, design, and implement the ten step PBL cycle
- iv. Build a detailed plan of action surrounding a PBL cycle that will lead to implementation in the classroom
- v. Compose targeted supplemental resources to ensure action plan implementation of project design, project performance, and final products in the classroom.
- vi. Analyze and defend research articles covering the main topics within the course, to reflect on the research's impact in the classroom.
- vii. Plan, reflect, and report on implementation progress using a Classroom Implementation Plan.

COURSE OUTLINE

Section 1 Instructional Content

Lesson Delivery: An Introduction to Project Based Learning (PBL). Completion of the content video, readings, and resources review.

Quiz: Questions to check for understanding of the section content. Quizzes are automatically scored and provide detailed feedback on answer choice rationale.

Discussion Board Reflection: Turn a learning activity into a PBL cycle, with feedback and dialogue from course participants and/ or instructor.

Section 2 Instructional Content

Lesson Delivery: Analyze a Sample PBL Cycle. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Development of lesson ideas aligned to the sample PBL cycle. Instructor and participant feedback provided, with feedback and dialogue from course participants and/ or instructor.

Section 3 Instructional Content

Lesson Delivery: Aligning Content Standards on a Calendar. Completion of the content video, readings, and resources review.

Assignment Reflection: Plan the content area standards to be covered in your PBL cycle using the provided resource and template, with feedback and dialogue from course participants and/ or instructor.

Section 4 Instructional Content

Lesson Delivery: Developing a driving question based on content standards. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Develop a driving question by planning and analyzing idea themes, the problem to be solved, and an investigation plan, with feedback and dialogue from course participants and/ or instructor.

Section 5 Instructional Content

Lesson Delivery: Identifying Content Area Standards. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Analyze a sample content area lesson worksheet, then plan the content area lesson focus for your PBL cycle, with feedback and dialogue from course participants and/ or instructor.

Section 6 Instructional Content

Lesson Delivery: Identifying Student Performance Goals. Completion of the content video, readings, and resources review.

Quiz: Questions to check for understanding of the section content. Quizzes are automatically scored and provide detailed feedback on answer choice rationale.

Discussion Board Reflection: Determine student performance goals for your cycle, then build DOK- aligned student activities, with feedback and dialogue from course participants and/ or instructor.

Section 7 Instructional Content

Lesson Delivery: Choosing a Final Product. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Plan the final project details that aligns to a student final project for the PBL cycle, with feedback and dialogue from course participants and/ or instructor.

Section 8 Instructional Content

Lesson Delivery: Planning for Community Involvement. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Identify community members and determine how to implement community involvement in the final product, with feedback and dialogue from course participants and/ or instructor.

Section 9 Instructional Content

Lesson Delivery: Identifying Assessments. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Analyze an assessment planner sample then plan for methods of assessment throughout the PBL cycle, with feedback and dialogue from course participants and/ or instructor.

Section 10 Instructional Content

Lesson Delivery: Scaffolding Student Work. Completion of the content video, readings, and resources review.

Quiz: Questions to check for understanding of the section content. Quizzes are automatically scored and provide detailed feedback on answer choice rationale.

Discussion Board Reflection: Brainstorm methods for scaffolding to ensure student success throughout PBL, with feedback and dialogue from course participants and/ or instructor.

Section 11 Instructional Content

Lesson Delivery: The Final Presentation. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Complete a final presentation planner to determine how the final product will be shared, with feedback and dialogue from course participants and/ or instructor.

Section 12 Instructional Content

Lesson Delivery: Reflections. Completion of the content video, readings, and resources review.

Discussion Board Reflection: Plan for student reflections at the end of the PBL Cycle, with feedback and dialogue from course participants and/ or instructor.

Putting it All Together

Action Plan: Completion and submission of a complete PBL Cycle Plan for an upcoming lesson series, that spans at least 4 weeks of instruction. You will analyze requirements for success of a PBL cycle and design specific methods for use in the classroom. An action plan template and a sample will be provided to you to assist you in completing this module.

Applying What You Have Learned

Resource Design: Creation of a specific resource that is needed to fully implement your plans from the course. After your action plan design, you will analyze the required components for implementation success and select areas for resource development critical for consistent implementation. After analysis of suggested resources and articles referencing components of your action plan, design and upload a resource specific to support your success in implementation, as well as success in student implementation of the product. A resource design planning template will be provided to guide in rigorous and applicable final resources. Instructor feedback provided. You will upload a self- created resource specific to support ideas for implementation of course concepts. A resource design planning template will be provided to guide you in the resource design process.

Research Connections Reflection: Reading and analysis of peer- reviewed research, cited academic books, or cited educational articles aligned to course concepts. An analysis template will be provided to assist you in guiding your thinking and analysis and can be used as an outline for your submitted response.

Implementation Tasks: Review a recap of the course content and takeaways from the course, then plan for what implementation of course concepts in the classroom might look like. You can choose to implement your ideas, request a colleague to analyze your ideas, or self- reflect on your ideas for implementation.

Final Implementation Project Plan: Compile all content ideas from the course and plan a series of action steps to describe implementation. A Final Implementation Planning Template will be provided to help you plan the critical components to consider for implementation, and to aid you in your final response which will also include a reflection and summary of the ideas in the course.



MODEL TEACHING RESOURCES INCLUDED IN THIS COURSE

These resources, tools, & templates are designed to help you utilize and implement the course concepts in your classroom.

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- ✓ Assessment Planner
- ✓ Bloom's Taxonomy Question Stems Chart
- ✓ Calendar for Content Area Standards
- ✓ Community Involvement Tracker
- ✓ DOK Based Student Activities Worksheet
- ✓ Final Activity Project Plan
- ✓ Final Project Worksheet
- ✓ Group Reflection Resource
- ✓ Identify Content Area Lesson Worksheet
- ✓ Inquiry- Based Lesson Plan Template
- ✓ Sample Reflection Questions
- ✓ Self-Reflection on Project Work
- ✓ Teacher Reflection Resource
- ✓ Turning a Learning Activity into a PBL Cycle-Template
- ✓ Assessment Planner-Sample
- ✓ Calendar for Content Area Standards-Sample
- ✓ Develop a Big Idea Template
- ✓ DOK Based Student Activities Worksheet-Sample
- ✓ Final Presentation Planner
- ✓ Final Project Worksheet-Sample
- ✓ Scaffolding Student Success Planner
- ✓ Student Knowledge & Skills Worksheet
- ✓ Webb's Depth of Knowledge Guide
- ✓ Identify Content Area Lesson Worksheet-Sample
- ✓ Inquiry Based Lesson Plan- Sample
- ✓ Turning a Learning Activity into a PBL Cycle-Sample 1
- ✓ Community Involvement Tracker- Sample
- ✓ Develop a Big Idea Template-Sample
- ✓ Effective Scaffolding Strategies for PBL Groups
- ✓ Final Presentation Planner-Sample
- ✓ Project Plan-Sample
- ✓ Scaffolding Student Success Planner-Sample
- ✓ Student Knowledge & Skills Worksheet-Sample
- ✓ Turing a Learning Activity into a PBL Cycle-Sample 2
- ✓ Supplemental Resource Design Template
- ✓ Research Article Analysis
- ✓ Classroom Implementation Plan
- ✓ Effectiveness Rubric

REQUIRED EXTERNAL RESOURCES

N/A. All articles, resources, and instructional content are provided within the course modules.

CREDIT HOUR CALCULATIONS

	Estimated Contact Time/ Seat Time (hrs)
Instructional Content (Course lessons, quiz, discussion)	25
Action Plan Project & Feedback	4
Research Connections Writing & Feedback	4
Resource Design & Feedback	6
Final Implementation Project Plan & Feedback	6
Total Hours:	45

GRADING

Grading Breakdown for this Course:

Module	Points
Quizzes (10 points each)	30
Discussion Board Reflections (10 points each)	120
Action Plan	100
Resource Design	50
Research Connections	50
Final Implementation Project Plan	100
Total	450

This course provides a letter grade using a ten-percentage point grading scale. A grade of A= 90%-100% You must earn 405 points or higher in this course to receive an A. A grade of B= 80%- 89%. You must earn 360 points to 404 points in this course to receive a B. A grade of B or higher is required for credit. A grade of unsatisfactory is any score below 80% or 360 points and does not provide credit.

Grading rubrics can be downloaded in the introduction module of each course within your course dashboard or at the link here: <https://www.modelteaching.com/rubrics>

REFERENCES

- Ayas, Karen, and Nick Zeniuk. "Project-based learning: Building communities of reflective practitioners." *Management learning* 32.1 (2001): 61-76.
- Belland, Brian R., Krista D. Glazewski, and Peggy A. Ertmer. "Inclusion and problem-based learning: Roles of students in a mixed-ability group." *RMLE online* 32.9 (2009): 1-19.
- Blumenfeld, Phyllis C., et al. "Motivating project-based learning: Sustaining the doing, supporting the learning." *Educational psychologist* 26.3-4 (1991): 369-398.
- Cairns, Dean, and Shaljan Areepattamannil. "Exploring the relations of inquiry-based teaching to science achievement and dispositions in 54 countries." *Research in Science Education* (2017): 1-23.
- Chiang, Tosti Hsu-Cheng, Stephen JH Yang, and Gwo-Jen Hwang. "An augmented reality-based mobile learning system to improve students' learning achievements and motivations in natural science inquiry activities." *Educational Technology & Society* 17.4 (2014): 352-365.
- DiBiase, Warren, and Judith R. McDonald. "Science teacher attitudes toward inquiry-based teaching and learning." *The Clearing House: A Journal of Educational Strategies, Issues and Ideas* 88.2 (2015): 29-38.
- Doppelt, Yaron. "Implementation and assessment of project-based learning in a flexible environment." *International Journal of Technology and Design Education* 13.3 (2003): 255-272.
- Filippatou, Diamanto, and Stavroula Kaldi. "The Effectiveness of Project-Based Learning on Pupils with Learning Difficulties Regarding Academic Performance, Group Work and Motivation." *International journal of special education* 25.1 (2010): 17-26.
- Holm, Margaret. "PROJECT-BASED INSTRUCTION: A Review of the Literature on Effectiveness in Prekindergarten." *River academic journal* 7.2 (2011): 1-13.
- Kuhlthau, Carol C., Leslie K. Maniotes, and Ann K. Caspari. *Guided inquiry: Learning in the 21st century: Learning in the 21st century*. ABC-CLIO, 2015.
- Marshall, Jeff C., and Daniel M. Alston. "Effective, sustained inquiry-based instruction promotes higher science proficiency among all groups: A 5-year analysis." *Journal of Science Teacher Education* 25.7 (2014): 807-821.
- Slavin, Robert E. "Research on cooperative learning and achievement: What we know, what we need to know." *Contemporary educational psychology* 21.1 (1996): 43-69.
- Wolk, Steven. "Project-based learning: Pursuits with a purpose." *Educational Leadership* 52.3 (1994): 42-45.

COURSE SUBMISSIONS

All submissions must be performed within the Model Teaching course platform. If you need assistance in submitting assignments, please contact us.

TECHNOLOGY REQUIREMENTS

Courses are held 100% online. You should have access to a compatible web browser (such as Google Chrome, Microsoft Edge, Apple Safari, and/or Mozilla Firefox) and a word processing tool or reader (such as Microsoft Word and/or Google Docs). While our course platform does support mobile devices, for the best user experience, we recommend using a desktop or laptop computer to complete courses. You can review our technology requirements along with other frequently asked questions at our FAQ page here: <https://www.modelteaching.com/faq>

TECHNICAL QUESTIONS

If you need personal assistance or have technical questions, please email courses@modelteaching.com or chat with us at www.modelteaching.com.

COMPLIANCE WITH THE AMERICAN DISABILITIES ACT

In compliance with Section 504 of the Rehabilitation Act and the Americans with Disabilities Act, any participant that has a permanent or temporary condition that might affect their ability to complete the course should contact us at courses@modelteaching.com upon enrollment. We will make reasonable accommodations or modifications to the course.

ACADEMIC INTEGRITY

Participants are responsible for fully interacting with the course content, modules, resources, readings, and assignments. All responses, projects, and other assignments are the sole responsibility of the course participant, and plagiarism or cheating are not tolerated. Submissions should be your own work and design, and all submissions and assignments should be completed independently. Any outside sources should be properly cited. If you have questions about what constitutes plagiarism or cheating, you should contact us at courses@modelteaching.com.

Why Model Teaching?

Courses Focused on Relevant Teaching Content That You Can Actually Use

We focus our professional development courses on what's important to you: relevant content focused on specific teaching strategies & evidence-based instructional best practices. Earn pre-approved PD hours and regionally accredited academic credit through our university partner, University of Alaska Anchorage.

Clear, Straightforward Lessons Designed by Experienced Educators

Our courses provide high-quality content in a format that makes it easy for developing teachers to learn new skills and methods for use in their own classroom. Our courses are designed to provide effective professional development for busy teachers in a format that makes learning easy.

Comprehensive, Ready-To-Use Resources, Tools, & Templates Provided With Every Course

Each course comes with a variety of resources, tools, graphic organizers, activities, student lesson content, and lesson templates you can use to immediately implement your new training in your own classroom. If not teaching, simply save your resources for future use.

Immediately Implement What You Have Learned

For teachers who are currently teaching, we provide step-by-step support and real-world examples that you can use immediately in your classroom or school, along with implementation resources. Not teaching? No problem! You do not have to be currently teaching to take our courses.

What are Model Teaching Courses Used For?

- ☑ Salary Advancement
- ☑ Teaching License Renewal
- ☑ Instructional Improvement
- ☑ Great for Current Teachers & Teachers Not Currently Teaching



MODEL TEACHING®
Education for Better Educators

EDUCATION FOR BETTER EDUCATORS

THIS TRAINING COURSE WAS INCREDIBLE. MY LEADERSHIP TEAM LEARNED SO MUCH ABOUT THEMSELVES AND WHAT WE NEED TO DO ON OUR CAMPUS. I WANT MY ENTIRE STAFF TO HEAR THIS MESSAGE!

-PRINCIPAL

I AM FINDING ALL YOUR COURSES USEFUL, BUT THIS ONE IS CLEARLY MY FAVORITE SO FAR, MOSTLY FOR THE WAY I WAS ABLE TO PUT SO MANY OF MY OWN IDEAS INTO THE LESSON WHILE STILL FEELING I HAD ACCOMPLISHED ALL THAT WAS REQUIRED. WELL DONE!

-ELEMENTARY TEACHER

WHAT YOU PRESENTED IN [THIS COURSE] IS NOW PART OF MY GOALS AND ACTION PLANS FOR THE SCHOOL YEAR. I'M SO EXCITED TO PUT THESE TO USE!

-ELA TEACHER

WITH SUCH A BUSY SCHEDULE, IT'S HARD TO IMPLEMENT NEW STRATEGIES AND TECHNIQUES BUT THIS COURSE MADE IT SO EASY! THE COURSE GAVE ME GREAT IDEAS ON HOW TO USE COLLABORATIVE LEARNING GROUPS WITH MY STUDENTS AND THE RESOURCES AND PLANNING DOCUMENTS MADE IT EFFORTLESS TO GET STARTED!

-SCIENCE TEACHER

FOR A FULL LIST OF CURRENT REVIEWS, PLEASE VISIT:

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16107 Kensington Dr #175
Sugar Land, TX 77479



888.828.7950 x1



www.ModelTeaching.com



courses@modelteaching.com