

COURSE SECTION INFORMATION (CSI)

MTM6405 Server-Side Web Development
Interactive Media Design

Professor's Name: Michael Eisenbraun **Course Section:** Section 310
Email: eisenbm@algonquincollege.com **Academic Year:** 2020
Phone/Office: **Term:** Winter
Out of Class Assistance: **Academic Level:** 4

Learning Resources

- Course Web site: <https://imdac.github.io/mtm6405/>

Evaluation Breakdown

Assessment	Value	CLRs
Participation 1: Deck of Cards	2%	1
Participation 2: aMAZing Adventures	2%	1
Participation 3: Hybrid #1	2%	1
Participation 4: Movie Mayhem I	2%	1, 3
Participation 5: Movie Mayhem 2	2%	1, 3
Participation 6: Movie Mayhem 3	2%	1, 3
Participation 7: Hybrid #2	2%	1, 3
Participation 8: Hybrid #3	2%	1, 3
Participation 9: Midterm Reflection	2%	1, 3, 4
Participation 10: Movie Mayhem Site	2%	1, 2, 3
Participation 11: Peer Review	0%	1, 2, 3, 4
Participation 12: Final Reflection	0%	1, 2, 3, 4
Exercise 1: Dominoes	6%	1
Exercise 2: Functional Fishing	6%	1
Exercise 3: Seussology Queries I	6%	1, 3
Exercise 4: Seussology Queries II	6%	1, 3
Exercise 5: Grocery List	6%	1, 2, 3
Midterm Project: Seussology	25%	1, 3, 4
Final Project: Task Manager	25%	1, 2, 3, 4

Learning Schedule (subject to change with notification)

Date	Weekly Theme and Learning Outcomes	Learning Activities	Assessments (%)	Resources	CLRs
Week 1	Course Introduction <ul style="list-style-type: none"> Students will receive an introduction of the course Students will receive a review of PHP Basic 			https://imdac.github.io/mtm6405/content/#week-1	1
Week 2	PHP Basics <ul style="list-style-type: none"> Students will to review the basic of PHP 	Participation 1 Exercise 1	2% 6%	https://imdac.github.io/mtm6405/content/#week-2	1
Week 3	PHP Requests and Includes <ul style="list-style-type: none"> Students will learn how to receive and response to requests made by the browser Students will learn how to include additional files in PHP 	Participation 2 Exercise 2	2% 6%	https://imdac.github.io/mtm6405/content/#week-3	1
Week 4	Database and SQL <ul style="list-style-type: none"> Students will learn about databases and database management systems Students will learn how to write basic SQL statements to retrieve data from a database 	Participation 3 Participation 4 Exercise 3	2% 2% 6%	https://imdac.github.io/mtm6405/content/#week-4	1, 3
Week 5	Managing Data <ul style="list-style-type: none"> Students will learn how to manage data in a database by adding, removing, and editing data Students will learn basic INSERT, UPDATE, and DELETE SQL statements 	Participation 5	2%	https://imdac.github.io/mtm6405/content/#week-5	1, 3

Week 6	SQL Joins and Functions <ul style="list-style-type: none"> Students will learn how to write SQL statements containing multiple tables. Students will learn how to use SQL functions 	Participation 6 Exercise 4	2% 6%	https://imdac.github.io/mtm6405/content/#week-6	1, 3
Week 7	PHP Data Objects <ul style="list-style-type: none"> Students will learn the basics of PHP Objects Students will learn how to interact with a database inside of PHP using PDO 	Participation 7	2%	https://imdac.github.io/mtm6405/content/#week-7	1, 3
Week 8	BREAK	BREAK	BREAK	BREAK	BREAK
Week 9	Laravel Routes & Views <ul style="list-style-type: none"> Students will learn how to install the Laravel Framework Students will learn how to create a basic static site using the Laravel Framework 	Participation 8	2%	https://imdac.github.io/mtm6405/content/#week-9	1, 2, 3, 4
Week 10	Laravel Controllers <ul style="list-style-type: none"> Student will learn how to create and use controller in the Laravel Framework 	Midterm Project Participation 9	25% 2%	https://imdac.github.io/mtm6405/content/#week-10	1, 2, 3
Week 11	Laravel Models <ul style="list-style-type: none"> Students will learn how to interact with databases using the Laravel Framework Students will learn how to add data from a database to their Laravel Site 	Participation 10	2%	https://imdac.github.io/mtm6405/content/#week-11	1, 2, 3

Week 12	Forms and Validation <ul style="list-style-type: none"> Students will learn how to properly create and process a form inside a Laravel site. Students will learn how to add server-side validation to form data 	Exercise 5	6%	https://imdac.github.io/mtm6405/content/#week-12	1, 2, 3
Week 13	RESTful APIs <ul style="list-style-type: none"> Students will learn how to create basic RESTful APIs using Laravel. 			https://imdac.github.io/mtm6405/content/#week-13	1, 2, 3, 4
Week 14	Laravel Deployment <ul style="list-style-type: none"> Students learn how to deploy a Laravel Site to a live production server 	Participation 11	0%	https://imdac.github.io/mtm6405/content/#week-14	1, 2, 3, 4
Week 15	Finals Week <ul style="list-style-type: none"> Students will be given time to work on their final project 	Participation 12 Final Project	0% 25%	https://imdac.github.io/mtm6405/content/#week-15	1, 2, 3, 4

Other Important Information

Late Policy:

Any work submitted after the due specified, without prior approval, will receive a **ZERO** for that assignment.

Plagiarism Policy:

Plagiarism is defined as presenting someone else's work, in whole or in part, as one's own, and includes the verbal or written submission of another work (for example, ideas, wording, code, graphics, music, and inventions) without crediting that source. This includes all electronic sources (for example, the Internet, television, video, film, and recordings), all print and written sources (for example, books, periodicals, lyrics, government publications, promotional materials, and academic assignments), and all verbal sources (for example, conversations and interviews).

Plagiarism, whether done deliberately or accidentally, is not allowed. The facilitation of plagiarism, that is, one student sharing his or her work with other students, is also not allowed. All parties caught plagiarizing will receive a ZERO.