



# MAHARISHI INTERNATIONAL UNIVERSITY

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*CS477 – Server Side Programming  
Diversity Arising from Unity*

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Rujuan Xing

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2023

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*Maharishi's Ninth Year of Invincibility  
Global Raam Raj*

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# **CS477: Server Side Programming**

## *Diversity Arising from Unity*

### **Main Objectives of SSP**

This course focuses on using JavaScript at the backend (NodeJS). You will learn how NodeJS works and gain a deep understanding of its core application programming interface (API). The course covers how the JS compiler engine (V8) works and how to structure code using modules, and how asynchronous code works in Node and the Node event loop. The course also teaches Node Package Manager (NPM), how to build a web server, how to work with Express framework, REST and JWT.

# CS477: Server Side Programming Calendar

●	Mon	Tues	Weds	Thurs	Fri	Sat
Week 1 AM	Lesson 1 Node.js	Lesson 1 Node.js	Lesson 2 Modules	Lesson 2 Modules	Lesson 3 Modules & npm	Lesson 4 Express
PM	Lab 1	Lab 1	Lab 2	Lab 2	Lab3	Lab4
Week 2 AM	Lesson 4 Express	Review	Prepare for Midterm	Midterm	Lesson 5 REST	Lesson 6 MongoClient
PM	Lab4				Lab 5	Lab 6
Week 3 AM	Lesson 7 Mongoose	Lesson 7 Mongoose	Lesson 8 Authentication & Authorization	Lesson 8 Authentication & Authorization	Project Intro & Review	Prepare for Final
PM	Lab 7	Lab 7	Lab 8	Lab 8	Project	
Week 4 AM	Final Exam	Final Project	Final Project	Final Project Presentation		
PM						

## *Class Schedule*

Class is in session from 10 AM to 12:30 every weekday morning, with the final 15 minutes devoted to a group meditation, and from 1:30 to 3:00 every afternoon, with the final 20 minutes for group meditation. On Saturday, we meet only in the morning and follow the usual weekday format during the morning.

## **Grading**

Your final grade will be a combination of your scores on Exams, Homework, Final Project.

Midterm Exam	40%
Final Exam	40%
Homework	10%
Project – Group project	10%

We will use the following grading scale:

A+ 97 - 100  
A 92 - 96  
A- 88 - 91  
B+ 84 - 87  
B 79 - 83  
B- 75 - 78  
C+ 71 - 74  
C 66-70  
C- 62-65

## **Contact Info**

Rujuan Xing  
Assistant Professor of Computer Science  
Email: rxing@miu.edu

# Class Attendance

Attendance at all classes is required, because all elements of class — lectures, questions and answers, discussions, laboratory work — contribute to the learning process. Absences are usually excused only if you are sick in bed or have a family emergency.

If you must miss a class, please let your instructor know ahead of time. Call, send an email, or send a note with a friend. There is no such thing as a “personal day.” If you have personal business to take care of, please schedule it for after class or during the days between blocks. At the same time, it may occasionally be necessary for you to miss a class (or part of a class) for some reason other than illness or family emergency. Please speak with the instructor beforehand, who will be open to considering your needs.

The first lesson of each course is the most important. Students are expected to be present from the first lesson onward. Any student not present on the first morning (except for such compelling reasons as illness or family emergency) may be asked to withdraw from the course. Unexcused absences may result in the student receiving a grade of NC (No Credit) for the whole course.

## PUNCTUALITY

Punctuality is expected and required in the professional world. People commonly lose their jobs for being late — especially new college graduates unfamiliar with professional expectations. Colleges and universities have come under criticism for not properly preparing students in these values.

Therefore we place a similarly high value on arriving on time for every class session. If students are late, they disrupt the learning environment and may miss the wholeness of the lesson. Coming late is unprofessional and shows lack of courtesy to the instructor and to fellow students.

Thus the faculty request that students arrive a couple minutes early, so everyone is seated and settled when the class begins. *Well begun is half done.*

Punctuality also extends to returning from the class break in a timely fashion (as announced by the professor at the beginning of the break). The instructor should not need to go out and round up students.

If you need to be late to class for some reason beyond your control (a dentist appointment, for example), please arrange that with me ahead of time.

## CLASS PARTICIPATION

American companies (and universities) expect employees (and students) to be active participants in discussions about projects and plans. This is in contrast to many other cultures in Asia and Africa that many of our students are from. Our classrooms are a great environment to get used to being a more active participant. Being an active participant means volunteering information and asking questions from your side—i.e., raising your hand to make a comment or ask a question without

being prompted by the professor. This should always be done in a polite manner, but it is not sufficient to sit silently and passively unless called upon.

# DRESS

## **LEADERSHIP** — Classic professional [10]

For men, suits, jackets, dress shirts, ties, dress pants, dress shoes with socks. For ladies, suits, career dresses or blouses and skirts (knee length or longer) with jackets and cardigans, pant suits, dress shoes.

## **PROFESSIONAL** — Typical of what is expected for most professionals in industry. [9]

For men, dress shirts with collars and sleeves, tucked in and buttoned, dress pants, clean nice shoes with socks. For ladies, sweaters and skirts (knee length or longer), career slacks, dresses (knee length or longer), coordinated outfits.

## **OFFICE CASUAL** -- Less professional but acceptable for class [8]

Knit shirts with collar, casual button shirts with collar, casual pants (blue jeans or other colored denim jeans of the blue-jean style are not acceptable).

## **LOUNGE CASUAL** – Barely acceptable for class, not acceptable in most professional settings [7]

Knit shirts with no collar, sweatshirts, denim jacket, wrinkled or ill-fitting clothes, untucked shirts unless they are designed to be worn untucked

## **BEACH (INAPPROPRIATE)** — Students will be asked to change for class or dining at lunchtime. [0]

For everyone, jeans (blue, black, green, etc),, T-shirts, shorts, asana clothes, flip-flops; torn, dirty, or sloppy clothes. For men, sleeveless shirts or improperly fitting clothes. For ladies, camisole or spaghetti strap tops, skirts or dresses above the knee or with high slits. very tight or low-cut apparel, uncovered midriffs. Hats should not be worn in class or any professional setting.