Instructor:
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Office hours: I check emails twice a day (mornings and evenings). Please email dshrader@nova.edu and we can schedule an appointment if we need to speak in person. Please feel free to email dshrader@nova.edu should you have any questions/comments regarding these courses or any previous course you have had with me. Individual correspondence must be to dshrader@nova.edu and contain MMIS 656 in the subject line. I will do my best to respond within 24 hours (48 hours on the weekends).

Class Location and Format: Main Campus DeSantis 4086 / Online (simulcast)
Class Hours: Tuesdays 6:00-8:00 PM
Class Web Site: Sharklearn (https://sharklearn.nova.edu)

Course Description:
This course provides a hands-on introduction to a variety of technologies involved in the design, development, and implementation of Websites. The course provides an overview with hands-on examples for Web design and development, including database-backed dynamic content generation and emerging technologies in Internet content delivery. Topics include fundamentals of Web design and development technologies, including technologies such as XHTML, cascading style sheets, JavaScript, XML, Flash, PHP, Ajax, Java Web Software and Ruby. Students are expected to have a fundamental knowledge of at least one programming language. Prereq: MMIS 654.

Required Textbook(s):

Required Software:
As indicated below, a student can choose any web development tool (e.g., Dreamweaver). Students are strongly encouraged to purchase a text to help learn tool usage. Class notes and lecture time will provide only cursory usage of tools and will not attempt to cover any specific tool in depth. Each assignment will require different execution environment software to be obtained and installed. This software is freely available on the web as indicated in the text.

Learning Outcomes:
With the growing use of Websites and their strategic centrality for organizations, learning to design and develop Web content has become critical to the Management Information Systems profession. Upon successful completion of this course, the student will have a good understanding of Web design and development technologies including:
1. Apply multi-layer information architecture concepts to Web application design and development.
2. Build dynamic Web content using tools such as JavaScript, DHTML, Cascading Style Sheets, and Server-Side Software.
3. Build a database-driven Website.
4. Design and develop a simple 3-tier web application using client-side, server-side, and database technologies.

**Course Outline:**
1. Fundamentals
2. Introduction to HTML/XHTML
3. Cascading Style Sheets
4. The Basics of JavaScript
5. JavaScript and HTML Documents
6. Dynamic Documents with JavaScript
7. Introduction to XML
8. Introduction to Flash
9. Introduction to PHP
10. Introduction to Ajax
11. Java Web Software
12. Database Access through the Web
13. Android Software Development
14. Introduction to Ruby
15. Introduction to Rails

**Tentative Schedule:**
The class meets each Tuesday evening starting January 6, 2015 and ending April 21, 2015 following the outline as stated above. A detailed outline will be maintained separately identifying what will take place in each class period. The final class period will involve live presentations of your final project to the class. **Please note that the class sessions scheduled for February 3 and April 14 will be special sessions for questions and answers related to the reading and/or assignments and will be held online only.**

**Instruction Methods and Tools:**
The course is taught on-campus and will be simulcast online providing a larger group of students the ability to share in the learning activities of the course. A single black board community has been established combining both sections of the course. Instructions for accessing the live transmission and recordings are provided in black board. Please review these instructions prior to the first class session on Tuesday, January 6.

All students will be required to submit assignments via the black board system ([https://sharklearn.nova.edu](https://sharklearn.nova.edu)).

**Assignments:**
All assignments will have a **Suggested Due Date**. Students, however, may choose to turn in an assignment any time during the semester, but **NO LATER THAN the last class period of the term (April 21, 2015) for Assignments 1-8 and the final project. Assignments 9 and 10 must be submitted NO LATER THAN the last day of the term (April 26, 2015).** Submissions received by the suggested due date will be graded and returned within a week. Detailed instructions will be provided with each assignment.

Responses for written exercises must be in APA format. Responses for programming exercises must be submitted as a single .zip file with separate folders for each problem containing:
1. Source code files (i.e., .html, .js, .css, .fla, .aspx, etc.)
2. Compiled code for Flash (.swf)
3. Either a Word document (.doc or .docx) with screenshots of a web browser showing your working code (one document for the entire assignment) or a URL to an Internet site where working versions of your assignments can be accessed.

**Examinations and Quizzes:** None.
Course Syllabus – MMIS 656 Web Design Technologies

Grading Criteria:

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<th>Item</th>
<th>Weight</th>
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<td>10 assignments</td>
<td>75 points</td>
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<tr>
<td>Final project (analysis, design and implementation of a simple web site)</td>
<td>25 points</td>
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<td><strong>Total</strong></td>
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<tr>
<td>100-93</td>
<td>92-90</td>
<td>89-87</td>
<td>86-83</td>
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<td>79-77</td>
<td>76-73</td>
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A student may not do additional work or repeat an examination to raise a final grade.

School and University Policies and Procedures:

Students must comply with the policies published in the school’s Graduate Catalog and the NSU Student Handbook, some of which are included or referenced below. The catalog is at http://www.scis.nova.edu/documents/catalog.pdf The handbook is at https://www.nova.edu/publications/ustudenthandbook/

1. Standards of Academic Integrity For the university-wide policy on academic standards, see the section Code of Student Conduct and Academic Responsibility in the NSU Student Handbook. Also see the section Student Misconduct in the Graduate Catalog.

Each student is responsible for maintaining academic integrity and intellectual honesty in his or her academic work. It is the policy of the school that each student must:

- Submit his or her own work, not that of another person
- Not falsify data or records (including admission materials and academic work)
- Not engage in cheating (e.g., giving or receiving help during examinations; acquiring and/or transmitting test questions prior to an examination; or using unauthorized materials, such as notes, during an examination)
- Not receive or give aid on assigned work that requires independent effort
- Properly credit the words or ideas of others according to accepted standards for professional publications (see the next section Crediting Words or Ideas)
- Not use or consult paper writing services, software coding services, or similar services for the purpose of obtaining assistance in the preparation of materials to be submitted for course assignments or for theses or dissertations.
- Not commit plagiarism (Merriam-Webster’s Collegiate Dictionary (2004) defines plagiarism as “stealing or passing off ideas or words of another as one’s own” and “the use of a created production without crediting the source.”) (see Crediting Words or Ideas below)

Crediting Words or Ideas

When using the exact words from another work, quotation marks must be used for short quotations (fewer than 40 words), and block quotation style must be used for longer quotations. In either case, a proper citation must also be provided. Publication Manual of the American Psychological Association, Sixth Edition, contains standards and examples on quotation methods.
When paraphrasing (summarizing, or rewriting) the words or ideas from another work, a proper citation must be provided. *(Publication Manual of the American Psychological Association, Sixth Edition)* contains standards and examples on citation methods. The *New Shorter Oxford English Dictionary* (1993) defines paraphrase as “An expression in other words, usually fuller and clearer, of the sense of a written or spoken passage or text…Express the meaning (of a word, phrase, passage, or work) in other words, usually with the object of clarification…”. Changing word order, deleting words, or substituting synonyms is not acceptable paraphrasing—it is plagiarism, even when properly cited. Rather than make changes of this nature, the source should be quoted as written.

*Original Work*

Assignments, exams, projects, papers, theses, dissertations, etc., must be the original work of the student. Original work may include the thoughts and words of others, but such thoughts or words must be identified using quotation marks or indentation and must properly identify the source (see the previous section *Crediting Words or Ideas*). At all times, students are expected to comply with the school’s accepted citation practice and policy. The school and its faculty are committed to maintaining high standards of academic integrity. Student work will be routinely submitted to plagiarism detection tools (such as those at [www.turnitin.com](http://www.turnitin.com)) for review.

Work is not original when it has been submitted previously by the author or by anyone else for academic credit. Work is not original when it has been copied or partially copied from any other source, including another student, unless such copying is acknowledged by the person submitting the work for the credit at the time the work is being submitted, or unless copying, sharing, or joint authorship is an express part of the assignment. Exams and tests are original work when no unauthorized aid is given, received, or used before or during the course of the examination, reexamination, and/or remediation.

2. *Writing Skills*

Students must demonstrate proficiency in the use of the English language. Grammatical errors, spelling errors, and writing that fails to express ideas clearly will affect their grades and the completion of their academic programs. The faculty will not provide remedial help concerning grammatical errors or other writing difficulties. It is the student’s responsibility to proofread and edit his or her work, which, in both form and content, should be letter-perfect. Work that is not properly edited will be rejected.

3. *Disabilities and ADA*

NSU complies with the American with Disabilities Act (ADA). The university’s detailed policy on disabilities is contained in the NSU *Student Handbook*. Student requests for accommodation based on ADA will be considered on an individual basis. Students with disabilities should discuss their needs with NSU’s ADA Coordinator before the commencement of classes if possible.

4. *Communication by Email*

Students must use their NSU email accounts when sending email to faculty and staff and must clearly identify their names and other appropriate information, e.g., course or program. When communicating with students via email, faculty and staff members will send mail only to NSU email accounts using NSU-recognized usernames. Students who forward their NSU-generated email to other email accounts do so at their own risk. GSCIS uses various course management tools that use private internal email systems. Students enrolled in courses using these tools should check both the private internal email system and NSU’s regular email system. NSU offers students web-based email access. Students are encouraged to check their NSU email account and their course management email daily.

5. *The Temporary Grade of Incomplete (I)*

The temporary grade of Incomplete (I) will be granted only in cases of extreme hardship. Students do not have a right to an incomplete, which may be granted only when there is evidence of just cause. A student
desiring an incomplete must submit a written appeal to the course professor at least two weeks prior to the end of the term. In the appeal, the student must: (1) provide a rationale; (2) demonstrate that he/she has been making a sincere effort to complete the assignments during the term; and (3) explain how all the possibilities to complete the assignments on time have been exhausted. Should the course professor agree, an *incomplete contract* will be prepared by the student and signed by both student and professor. The *incomplete contract* must contain a description of the work to be completed and a timetable. The completion period should be the shortest possible. The completion date will not typically extend beyond 30 days from the last day of the term for master’s courses or beyond 60 days from the last day of the term for doctoral courses. The *incomplete contract* will accompany the submission of the professor’s final grade roster to the program office. The program office will monitor each *incomplete contract*. When the incomplete contract ends the course professor will assign a grade based upon the work completed. No student may graduate with an I on his or her record.

6. Grade Policy Regarding Withdrawals

Course withdrawal requests must be submitted to the program office in writing by the student. Requests for withdrawal must be received by the program office by the withdrawal deadline (see dates in the academic calendar in the catalog and program brochures or websites). Withdrawals sent by email must be sent from the student’s assigned NSU email account. Requests for withdrawal received after 11:59 p.m. EST on the withdrawal deadline date will not be accepted. Failure to attend class or participate in course activities will not automatically drop or withdraw a student from the class or the university. Students who have not withdrawn by the withdrawal deadline will receive letter grades that reflect their performance in the course. When a withdrawal request is approved, the transcript will show a grade of W (*Withdrawn*) for the course. *Students with four withdrawals will be dismissed from the program.* Depending on the date of withdrawal, the student may be eligible for a partial refund (see the appropriate catalog section Refund Policy Regarding Withdrawals).

7. Acceptable Use of Computing Resources

Students must comply with the university’s *Policy on Acceptable Use of Computing Resources* (see NSU Student Handbook).

8. Academic Progress, Grade Requirements, and Academic Standing

Students must be familiar with the school’s policies, which are contained in its catalog.

9. Student Research Involving Human Subjects

Students must be familiar with the university’s policy (see paragraph in catalog).

10. Responsibility for Payment of Tuition and Fees

Once registered, students are personally responsible for the payment of their tuition and fees. Returned checks, cancelled credit cards, employer or agency refusal to pay, ineligibility for financial aid, and other reasons for non-payment may result in a direct bill to the student, and/or referral to a collection agency.

Payment and refund policies are based on the view that a student registering for a class is reserving a place in that class and that tuition and fees cover the opportunity to secure that place in the class. Since no other person can purchase that place, the student is responsible for the tuition and fees associated with it. Simply not attending does not constitute a reason for non-payment.