

**University of New Mexico Valencia Information Technology (IT) Department**

**COURSE SYLLABUS Spring 2018**

<b>Course Name:</b> IT 205Web Design Methodology	<b>CRN# 38174</b>	
<b>Class Days/Time/Location:</b> MW/10:30 - 11:45/ B127 or B123A	<b>Section Number: 501</b>	
<b>Course Credits:</b> 3.0		
<b>Instructor:</b> James Hart	<b>Email:</b> hart56@unm.edu	<b>Phone:</b> 239-3435
<b>Office Hours/Location:</b> MW 1:30 - 2:30, TTh 10:30 - 2:30 or ARR in B123A		

***Texts & Supplies***

**Required: Minimum 8 Gig flash drive (the bigger the better)**

***Course Description & Pre- or Co-requisites***

*IT 205: Web Design Methodology. (3) Students will create and manage Web sites using various programming languages, multimedia and CSS standards. This course focuses on theory, design and Web construction, along with information architecture concepts, Web project management, scenario development and performance evaluations.*

***Student Learning Outcomes***

Students completing this course will:

1. Explain the Interaction of Web Server(APACHE) to client (Chrome,Firefox, IE) using the Application, Presentation, and Network layers of the OSI model.
2. Install a Linux distribution - Ubuntu or Debian, RedHat, CentOS, etc.
3. Explain L.A.M.P.
4. Install APACHE.
5. Demonstrate the use of MySQL Python and PHP on a web server.
6. Demonstrate server access with command line, SSH and FTP.
7. Write basic HTML on your server and view it with a client browser.
8. Create a Virtual Web Server with VMware.

### ***Student Learning Outcomes (cont...)***

9. Explain Computer Cloud basics.
10. Explain the difference between authoring and content management software on web servers.
11. Install WordPress or any approved web page authoring software.
12. Design, build and demonstrate an approved web server with your approved custom web page demonstrating professional best practices.
13. Implement security procedures on you web server

### ***Course Outline***

- Basic delivery of data over the Internet with the OSI Model
- Linux installation and basic commands
- APACHE installation and Linux services (daemons)
- Installing L.A.M.P.
- The command line and an introduction to scripting.
- Writing basic html with a text editor
- Intro to MySQL, Python, and PHP
- VMware and the Cloud
- Installing L.A.M.P. in VMware and the Cloud
- Administrating Linux in virtual space
- Web page security

### ***Grading***

The following will be used to determine your grade in this course:

	<b>%</b>
<b>Tests</b>	<b>30</b>
<b>Labs</b>	<b>50</b>
<b>Final Exam</b>	<b>20</b>
<b>Total</b>	<b>100</b>

The following scale is used to assign course grades:

<b>Percentile Range</b>	<b>Grade</b>
<b>90-100</b>	<b>A</b>
<b>80-89</b>	<b>B</b>
<b>70-79</b>	<b>C</b>
<b>60-69</b>	<b>D</b>
<b>Below 60</b>	<b>F</b>

**Note:** A final grade of "D" or "F" is not acceptable for this course if it is required for graduation or as a prerequisite for other courses. A final grade of "D" or "F" requires repeating this course.

### ***Attendance***

Students are expected to be on time. If you are running late please call or email. You will be contacted and dropped due to excessive unexcused absences.

### ***Students with Disabilities***

Special Services is a department that can provide students with documented disabilities and the accommodations they might need. It is also a department that can help students who think they might have a disability. Please let me know as soon as possible so I can ensure that arrangements are made to accommodate your needs. If you have a disability and prefer not to register, please discuss this with me.

### ***Computer Lab Responsibility***

Please be advised that use of computer labs on UNM properties is governed by "Policy 2500: Acceptable Computer Use" which can be found at

**<http://policy.unm.edu/university-policies/2000/2500.html>**

Food and drink are also prohibited in any computer lab on campus. Anyone violating these policies is subject to possible suspension and loss of computer lab privileges.

### ***Title IX***

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see pg.15 - **<http://www2.ed.gov/about/offices/list/ocr/docs/ga-201404-title-ix.pdf>**). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: **<https://policy.unm.edu/university-policies/2000/2740.html>**

### ***Late/Make-up/Re-take Policies***

Late homework or lab assignments will be penalized unless prior arrangements have been made and approved by the instructor. Make-up exams will be allowed in case of verifiable emergencies or prior arrangements are approved by the instructor.

### ***Academic Dishonesty***

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Any student who has been judged to have engaged in academic dishonesty in coursework may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University.

See: **<https://policy.unm.edu/regents-policies/section-4/4-8.html>**

### ***Syllabus & Class Schedule:***

The syllabus and class schedule are subject to change by the instructor. Changes will be made with as much advance notice as possible.

### ***Electronic Devices in Class:***

All mobile telephones must be turned off or switched to silent or vibrate mode.