

**South Plains College**  
**Common Course Syllabus: ITNW1336**  
**Semester: Spring 2023**  
**Revised 1/11/2023**

**Department:** Computer Information Systems  
**Discipline:** Technical Education Division and Arts and Sciences Division  
**Course Number:** ITNW 1336  
**Course Title:** Cloud Deployment and Infrastructure Management

**Instructor Contact Information:**

Name: Michael Slaughter  
Office Location: TC206 (Levelland) / LBC 120D (Lubbock Center)  
Email: [mslaughter@southplainscollege.edu](mailto:mslaughter@southplainscollege.edu)  
Office Phone: (806) 716-2242  
Meet Online: <https://calendly.com/ms-spc>  
Office Hours: See Calendly link above.

**Course Sections:**

<p><b>Section:</b> ITNW1336.151 <b>Format:</b> Online <b>Campus:</b> Online <b>Classroom:</b> Online <b>Days:</b> Online <b>Lecture:</b> Online <b>Lab:</b> Online</p>
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**Course Description:** Focus on Cloud infrastructure, deployment, security models, and key considerations in migrating to Cloud computing. Includes the technologies and processes required to build on-premise and Cloud environments, including computation, storage, networking, virtualization, business continuity, security, and management.

**Prerequisite:** None

**Credit:** 3 **Lecture:** 2 **Lab:** 4

**Textbook:** There is no textbook required for purchase in this course. We will be using Amazon Web Services Academy's Cloud Foundation course provided free to students by South Plains College and Amazon Web Services. In addition to this, the instructor will supply other reading and video resources to the student via the SPC Library and O'Reilly's learning platform.

**Supplies:**

- Reliable Internet Connection
- Computer with Windows OS (Recommended) or Mac OS (Not a Chromebook)
- Google Chrome or Mozilla Firefox

**Student Learning Outcomes:** Assess and plan migration from on-premise to Cloud solution environment; identify methods and tools to maintain security and protect data; differentiate between the various storage, computing, and networking options; identify deployment and management options; deploy available services for scalability, reliability and high availability; use Cloud monitoring and auto-scaling services to scale infrastructure up and down.

**Student Learning Outcomes Assessment:** This course will include

- Required reading assignments
- Required lecture videos
- Supplemental videos and/or reading
- Hands-on labs using AWS interface and other software
- Quizzes
- Online discussions and writing projects
- Exams

**Course Evaluation:** Students will be evaluated by assignments, exams, and projects.

<b>Category</b>	<b>Percentage</b>
Assignments (Discussions, Writing, Research, etc.) AND Hands-On Labs	50%

Module Exams (AWS Knowledge Checks) and Quizzes (in Blackboard)	20%
Final Exam	30%

**Attendance Policy:** Students are expected to attend all classes in order to be successful in a course.

Class attendance, even online, is extremely important in order to meet the objectives of this course. Students are responsible for initiating their own withdrawal/drop, if that becomes necessary. See the General Catalog Attendance Policy for additional information.

**COVID-19:** For more information and resources about COVID-19, please visit: <https://www.southplainscollege.edu/emergency/covid19-faq.php>

**Plagiarism and Cheating:** Students are expected to do their own work on all projects, quizzes, assignments, examinations, and papers. Failure to comply with this policy will result in an F for the assignment and can result in an F for the course if circumstances warrant.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill.
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation.
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them.
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion.
2. Discovering the content of an examination before it is given.
3. Using an unauthorized source of information (notes, textbooks, text messaging, internet, apps) during an examination, quiz, or homework assignment.
4. Entering an office or building to obtain an unfair advantage.

5. Taking an examination for another.
6. Altering grade records.
7. Copying another's work during an examination or on a homework assignment.
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's work.
9. Taking pictures of a test, test answers, or someone else's paper.

**Withdrawal Policy:** Students that withdraw from the course will receive a grade of W. It is the student's responsibility to withdraw from this course. Otherwise, students will be assigned their earned letter grade at the end of the semester. Course averages will be updated regularly throughout the semester to aid students in their decision to drop the course or not.

- Please check the SPC academic calendar for the last day to withdraw/drop the course here: <https://www.southplainscollege.edu/academiccalendar/>
- For more information regarding drops/withdrawals, please visit: <https://www.southplainscollege.edu/admission-aid/apply/schedulechanges.php>

**Student-Owned Computer Equipment:** Students may choose to use their own computer equipment to complete the assigned coursework. SPC provides Microsoft Office to students for installation and use on their personal computers. It is the sole responsibility of the student to ensure their computer system meets the minimum requirements for all required or suggested software. It is also the sole responsibility of the student to ensure their computer system is in working order, free of malware, and sufficient to complete the assigned coursework. Computer or system malfunction or failure is not an excuse for late coursework. The instructor is not liable for the student's computer maintenance and cannot troubleshoot or repair issues on student-owned computers. If the student needs computer assistance, they can contact the SPC student helpdesk.

### **SPC Help Desk**

Telephone Number: Help Desk at (806) 716-2600

E-mail: [helpdesk@southplainscollege.edu](mailto:helpdesk@southplainscollege.edu)

Location: Library Lobby - Levelland

Normal Hours: Monday - Friday: 8:00 a.m. - 4:00 p.m.

**Student Code of Conduct Policy:** Any successful learning experience requires mutual respect on the part of the student and the instructor. Neither instructor nor student should be subject to others' behavior that is rude, disruptive, intimidating, aggressive, or demeaning. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

For more information regarding official South Plains College statements about diversity, disabilities, non-discrimination, Title IX pregnancy accommodations, and campus concealed carry, please visit:

<https://www.southplainscollege.edu/syllabusstatements/>

### **IMPORTANT INFORMATION BELOW**

**Communication:** All communication for this class will be conducted through SPC email. All students will be required to check their SPC student email accounts regularly for course updates and announcements. All replies to emails will be sent to the student's SPC email address. Please include your name, course name, and section number in all email communication.

**Course Rigor:** This course will include multiple assignments, hands-on labs, discussions/writing assignments, quizzes, and exams. Please be aware that to succeed in this course you must dedicate several hours each week to reading, studying, and completing the assigned coursework.

**Reading Assignments, Online Lectures, and Supplemental Material:** This course will include multiple reading assignments, multiple online lectures, and some supplemental material. The student is expected to go through all this material each week. It will greatly benefit the student to revisit previous weeks reading and lectures to help retain information. Students are encouraged to use good study habits to learn and memorize the necessary information.

**Coursework:** Each week's coursework will be available through Blackboard and may link to outside learning management systems or other platforms. Coursework is organized into modules. Each module will contain links to the reading, links to the lectures, links to submit hands-on labs, and

links to submit quizzes and/or exams. The course calendar outlining due dates and availability times is available on Blackboard. **No late work is accepted for any reason!** You are expected to complete all homework assignments within the due dates indicated.

It is important for you to start coursework early in the week. Do not wait until the day it is due to start the coursework or report problems. If you report problems on the due date of an assignment, the instructor is not obligated to re-open any assignments for you. Start your homework early in the week and complete it with time to spare!

**Module Exams/Knowledge Checks:** These exams may include multiple-choice/answer, matching, essay, and other question types. Students should complete all coursework in the designated modules and study the material in those modules before taking the module exam. Exams will be open for several days and must be completed by the due date indicated. No late exams will be given.

**Late-Work and Coursework Extensions:** No late coursework (pretests, simulations, grader projects, exams, team projects, etc.) will be accepted. No extensions will be given for any coursework. There are two exceptions to this policy. One, you are severely ill and/or hospitalized. If this is the case, you must contact DeEtte Edens at [dedens@southplainscollege.edu](mailto:dedens@southplainscollege.edu) or at (806) 716-2376 and submit the required documentation to her. She will notify me if the illness warrants an extension. Two, there is a verified service outage of the SPC Blackboard system and/or the AWS Education system. A verified outage means the SPC Information Services department, the SPC Instructional Education department, and/or the AWS Education system notify and acknowledge a substantial recorded downtime. If this occurs, an extension will be granted at the instructor's discretion.

**Gradebook:** Grades will be available in the Blackboard gradebook. The Blackboard gradebook will be updated regularly throughout the semester.

**Counseling:** If at any point in the semester, you find yourself having trouble with stress or feel depressed please stop in and see a counselor. Counseling services are available at all campuses. The number for the counseling office is 806-716-2366. Below is a link to SPC's personal counseling services.

<https://www.southplainscollege.edu/health/mentalhealthresources.php>

**Note:** The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.