# Wayland Logo

Plainview Campus

School of Business

# 2. UNIVERSITY MISSION STATEMENT

Wayland Baptist University exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success, and service to God and humankind.

# 3. COURSE NUMBER & NAME:

MISM 4336-section number, Information Systems Security Management

# **4. TERM**: Summer 2025

# **5. INSTRUCTOR**: Dr. Joseph Marnell, Associate Professor of Cybersecurity

# **6. CONTACT INFORMATION**:

Mobile phone: 806.544.6336

WBU Email: vanhoose@wbu.edu

# **7. OFFICE HOURS, BUILDING & LOCATION**:

# **8. COURSE MEETING TIME & LOCATION**:

Meeting day & time: M-TH 9AM-9PM

# **9. CATALOG DESCRIPTION**:

Provides essential skills to manage the Information Security portfolio; covers key security concepts including Access Control, Cryptography, Information Security Governance, Operations Security and Business Continuity.

# 10. PREREQUISITE: None

# **11. REQUIRED TEXTBOOK AND RESOURCE MATERIAL**:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **BOOK** | **AUTHOR** | **ED** | **YEAR** | **PUBLISHER** | **ISBN#** | **UPDATED** |
| [Routing and](https://w3.testout.com/courses/routing-and-switching-pro) Switching Pro | TestOut | 7th | 2020 | Testout | 978-1-935080-55-8 | 05/26/20 |

# 12. OPTIONAL MATERIALS

# **13. COURSE OUTCOMES AND COMPETENCIES**:

* Device Setup and Configuration
* Interface Configuration
* TCP/IP Configuration
* IP Routing Implementation
* OSPFv2 Routing Configuration
* VLAN Configuration
* InterVLAN Routing
* Spanning Tree Configuration
* EtherChannel Configuration
* Wireless Networking Configuration
* NAT, DNS, and DHCP Configuration
* Device Security
* Access Control List Configuration
* Security Measure Implementation

# 14. ATTENDANCE REQUIREMENTS:

As stated in the Wayland Catalog, students enrolled at one of the University’s external campuses should make every effort to attend all class meetings. All absences must be explained to the instructor, who will then determine whether the omitted work may be made up. When a student reaches that number of absences considered by the instructor to be excessive, the instructor will so advise the student and file an unsatisfactory progress report with the campus executive director. Any student who misses 25 percent or more of the regularly scheduled class meetings may receive a grade of F in the course. Additional attendance policies for each course, as defined by the instructor in the course syllabus, are considered a part of the University’s attendance policy.

# **15. STATEMENT ON PLAGIARISM & ACADEMIC DISHONESTY**:

Wayland Baptist University observes a zero tolerance policy regarding academic dishonesty. Per university policy as described in the academic catalog, all cases of academic dishonesty will be reported and second offenses will result in suspension from the university.

# **16. DISABILITY STATEMENT**:

In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291-3765. Documentation of a disability must accompany any request for accommodations.

# **17. COURSE REQUIREMENTS and GRADING CRITERIA**:

**(Include information about term papers, projects, tests, presentations, participation, reading assignments, etc. and how many points or what percentage of the final grade each of these components or assignments is worth).**

**Gradebook Grading:**

Grading is automatically scored by Labsim and posted as running total

Videos, Demos, Fact Sheets, Labs, ***Final Security Practice Exam (4-5 attempts)***

**Total Gradebook Points comprised of the above items = 1022 points**

**Discussion Board 18 points**

**Total Summary Points 1040 points**

**1040-925 = 90+ = A**

**924-822 =80+ = B**

**821-720 =70+ = C**

**719-617 =60+ = D**

**616-0 =50+ = F**

**17.1 Include Grade Appeal Statement:** “Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Vice President of Academic Affairs/Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.”

# 18. TENTATIVE SCHEDULE

|  |  |  |
| --- | --- | --- |
| **Week** | **Information Systems Security Management** | **Chapters** |
| 1 | Introduction to Routing & Switching | **1** |
| 1 | Networking Concepts | **2** |
| **1** | Cisco Devices | **3** |
| **2** | IP Addressing | **4** |
| 2 | Switching | **5** |
| 3 | IPv4 Routing | **6** |
| **3** | IPv4 Routing Protocols | **7** |
| **3** | IPv6 Routing | **8** |
| **4** | Wireless Networks | **9** |
| **4** | Wan Implementation | **10** |
| **5** | Advanced Switching | **11** |
| **5** | Access Control Lists | **12** |
| **6** | Network Management | **13** |
| **6** | Network Security | **14** |
| **7** | Cryptography | **15** |
| **7** | Practice Exam | **16** |
| **Final** | (Final Certification Exam) |  |

# 19. ADDITIONAL INFORMATION

Faculty may add additional information if desired. This class will be using Testout software. The final certification exam is designed for students to take F2F or online as the final exam. Students need to have completed at least 90% of all required labs as well as the practice attempts to expect the most favorable outcome on the certification exam. Passing the certification exam alone does not guarantee an A grade in this course.