WAYLAND
BAPTIST UNIVERSITY

Virtual Campus

School of Business

1. 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.

2. COURSE NUMBER & NAME:

MISM 4335-VC01, Ethical Hacking

3. TERM:

Winter 2019

4. INSTRUCTOR:

Dr. Joseph Marnell

5. CONTACT INFORMATION:

Cell phone: 806-544-6336 (Please do not call this number between 9:00 P.M. and 9:00 A. M. unless it is an emergency)

WBU Email: marnellj@wbu.edu (Email addresses are not case sensitive)

6. OFFICE HOURS, BUILDING & LOCATION:

I am Online. However, I have Office Hours are 9:00 A.M. to 9:00 P. M. Monday, Tuesday and Thursday through Saturday. I keep minimum hours on Sunday. You may reach me via email at marnellj@wbu.edu and by text message at 806-544-6336 (Please identify yourself and your class within the text message as I teach several) or by calling 806-544-6336. I prefer email or as a secondary means text message. If you have an emergency, please call me then follow up with an email when you have a chance.

7. COURSE MEETING TIME & LOCATION:

Online Assignments, quizzes, exams, etc. will have due dates of midnight (11:59 P.M., Central-time zone, on the Saturday after the assignment is made. Assignments, etc. will not be due on Sundays.

8. CATALOG DESCRIPTION:

Course is designed to address various underlying principles and techniques for detecting and responding to current and emerging computer security threats.

9. PREREQUISITE:

MISM 4306

10. REQUIRED TEXTBOOK AND RESOURCE MATERIAL:

BOOK	AUTHOR	ED	YEAR	PUBLISHER	ISBN#	UPDATED

Ethical Hacker Pro	TestOut	1st	2019	TestOut	978-1-935080-45-9	08/15/19

"Wayland Baptist University has partnered with TestOut for the key codes. To check the price of the key code please make contact at https://bookstore.wbu.edu".

11. OPTIONAL MATERIALS

12. COURSE OUTCOMES AND COMPETENCIES:
- Describe vulnerabilities of the Windows and Linux operating systems
- Describe intrusion detection and prevention systems and Web-filtering technology
- Describe wireless hacking and tools used by hackers and security professionals
- Describe Web application vulnerabilities and the tools used to attack Web servers
- Describe firewall technology and tools for configuring firewalls and routers
- Discuss the history and principles of cryptography

13. 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.

14. 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.

15. 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.

16. COURSE REQUIREMENTS and GRADING CRITERIA:
(Include information about lab assignments, quizzes, Domain Reviews and practice Exams of these components or assignments is worth)
In this class, students will be evaluated according to performance in the following categories:

- General Information Email (Submit for 10 points)
- Labs (65)* 6 each = 390 points   30%
- Quizzes (40)* 3.25 each = 130 points   10%
- Domain Reviews (5) * 26 each = 130 points   10%

- Certification Practice Exam (minimum of 1 90+) = 130 points   10%
- Certification Exam (only 1 attempt allowed)   40%

The breakout for grades is as follows:

- Certification Exam Breakdown

Grade	Range	Percent
A	(2000-1300)	40%
B	(1299-1150)	25%
C	(1149-1000)	20%
D	(999-850)	15%
E	(849-700)	10%

Grade achievement levels are as follows:

Grade	Range
A	90%+
B	80-89%
C	70-79%
D	60-69%
F	0-59%

17. 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	Topics	Chapter Readings	Notes (QTY) Labs-Quizzes	Progress Reports/and Announcements
1 Nov. 11 - 15	Introduction to Ethical Hacking Introduction to Penetration Testing	Chapter 1-2	Labs - 0 Quizzes - 5	Check in Blackboard
2 Nov. 18 - 22	Social Engineering Physical Security and Reconnaissance	Chapter 3-4	Labs - 7 Quizzes – 5	Check in Blackboard
3 Dec. 2 - 6	Scanning Enumeration	Chapter 5-6	Labs - 6 Quizzes – 4	Check in Blackboard
4 Dec. 9 - 13	Analyze Vulnerabilities System Hacking	Chapter 7-8	Labs - 17 Quizzes – 8	Check in Blackboard
5 Dec. 16 - 20	System Hacking (Cont.) Malware	Chapter 8-9	Labs - 4 Quizzes – 2	Check in Blackboard
6 Jan. 6 - 10	Sniffers, Session Hijacking, & Denial of Service	Chapter 10-11	Labs - 20 Quizzes – 6	Check in Blackboard

	IDS, Firewall, & Honeypots			
7 Jan. 13 - 17	Web Servers, Web Applications, SQL Injections WI-FI, Bluetooth, & Mobile Devices	Chapter 12-13	Labs - 8 Quizzes – 6	Check in Blackboard
8 Jan. 20 - 24	Cloud Computing and Internet of Things Cryptography	Chapter 14-15	Labs - 3 Quizzes - 6 Jan. 24th : Last day to drop or withdraw with a W	Check in Blackboard
9 Jan. 27 - 31	A.2.1 Domain 1: Prepare A.2.2 Domain 2: Gain Access A.2.3 Domain 3: Attack	TestOut Ethical Hacker Pro Domain Review Parts 1-3	Jan. 31st : last day to drop or withdraw with a WP/WF	Check in Blackboard
10 Feb. 1 - 5	A 2.4 Domain 4: Cover Up A.2.5 Domain 5: Defend a System	TestOut Ethical Hacker Pro Domain Review Parts 4-5		Check in Blackboard
11 Feb. 8 - 12	TestOut Ethical Hacker Pro Certification Online Test	2 Practice Tests Attempts-90% minimum Score Final Certification Exam	Final Exam Due by Midnight (11:59 P.M.) Feb. 13, 2020	Check in Blackboard

19. ADDITIONAL INFORMATION
General Information:

This syllabus contains a general overview of the course only. It should NOT be considered as a substitute for reading and understanding all the pages of this web site.

The subject of ALL your email shall be MISM 4335 VC01 Winter 2019 and include your first and last names in the email body. Email without this information as the Subject line will not be read or responded to.

Once you have read and understood everything contained in the syllabus, you are required to submit an email containing all of the following:

1. **Your Full Name**

2. **Term: Winter 2019**

3. **Course Number and Section (MISM4335VC01)**

4. **Date**

5. **A Statement of Understanding as follows:**

"I have read the syllabus for this course. I understand the course requirements, procedures, and the purchase of a key code from the WBU Bookstore by the beginning of this course. Since grades are an indicator of personal effort and performance, I understand that it is my responsibility to earn the grade I desire in this class." (*This statement must be verbatim*.)

Additional Statements:

"This class will adhere to zero tolerance for using someone else's work as your own."

"Students are responsible for reading, understanding, obeying, and respecting all academic policies, with added emphasis being placed upon academic progress policies, appearing in the Wayland Baptist University Academic Catalog applicable to their curriculum and/or program of study."

Posting of Grades: Final grades will be posted in IQ Web and Blackboard.

Teaching Methods:
1. Labs, Quizzes, Domains Reviews, and practice exams are chosen so that they will not be able to be answered adequately without having read the text material that will be uploaded to everyone's personal Dropbox. The Dropbox account will utilize your WBU email address. The converted to text videos will be placed into the appropriate individual Dropbox accounts.

Lab and quiz assignments are automatically graded upon completion. If you wish, you may do labs or quizzes over to gain a higher score. Your highest scores are the final ones that are recorded in TestOut. Lab Assignments and Quizzes are due by midnight (11:59 P.M. Central Time) the first Saturday after the assignment is made. They will be considered late, after midnight of date due, and can result in a deduction of the appropriate points for that assignment of 20% for that week.

If you have not done, so I suggest you make sure your Wayland email account is working correctly. If I send you an email it will be to your email account. If you send me an email from your private email account, I will respond to your private email account. Be advised that your Wayland email account is the preferred email account to use for this course.

If wish to communicate with me please do so by email at marnellj@wbu.edu (I prefer not returning phone calls as I am the IT manager in Lubbock during the daytime). If you absolutely must talk to me on the phone, call me during the office hours listed above or call 806-544-6336 (please do not call this number between the hours of 9:00 P.M. and 9:00 A.M. or on Sunday or Wednesday evenings when I am teaching F2F unless it is an emergency.