

**SADDLEBACK COLLEGE
BUSINESS SCIENCE DIVISION
COURSE SYLLABUS
CIMS-240 INTRODUCTORY COMPUTER FORENSICS (On-Line)**

Instructor: Steve J. Korper
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01/19/16 through 05/23/16

Semester: Fall 2016

Ticket No: 11565

Room: Internet Based

<https://saddleback.blackboard.com/>

Office Hours: Jan 19 to Mar 15 2:00PM to 3:00PM then Mar 29 to May 17 5:00PM to 6:00PM BGS-221 and Jan 19 to May 23 Virtual 10:00PM to 11:00PM M, W, Th, and F

COURSE DESCRIPTION:

Students will learn the skills necessary to launch and complete a successful computer investigation. Guides students through conducting a high-tech investigation, from acquiring digital evidence to reporting its findings. Students will learn how to set up a forensics lab, how to acquire the proper and necessary tools, and how to conduct the investigation and subsequent digital analysis. Features free downloads of the latest forensic software, so students can become familiar with the tools of the trade (formerly CIM 293).

COURSE OBJECTIVES:

Upon completion of this course, the student will be able to:

1. Describe computer forensics technology
2. Discuss types of computer forensics technology
3. Research types of computer forensics systems
4. Review the anatomy of a hard drive
5. Analyze e-mail
6. Inspect computer forensics evidence and capture
7. Collect evidence and seize data
8. Manage the duplication and preservation of digital evidence
9. Perform computer image verification and authentication
10. Perform the discovery of electronic evidence
11. Verify the identification of data
12. Reconstruct past events
13. Investigate network forensics

STUDENT LEARNING OUTCOMES:

Students will be able to:

1. Apply knowledge of computers, software, the law, and investigative techniques to research a possible criminal or civil infraction.
2. Define a method for conducting the analysis of computer and/or network equipment, and related data files.
3. Describe the dynamics of “white collar crime” and identify methods used by white-collar criminals.

STUDENT RESOURCES:

Text Book: “Guide to Computer Forensics and Investigations”; Fifth Edition; 2016; ISBN# 978-1-285-06003-3; Cengage Learning; also available in the Saddleback College Bookstore.

POLICIES AND PROCEDURES:

- 1.) Courteous and proper behavior is expected and required in this class.
- 2.) Academic Dishonesty: Plagiarism and cheating are serious offenses and may be punished by failure on exam, paper or project; failure in course; and or expulsion from the College. For more information refer to the “Code of Conduct” policy in the Saddleback College Student Handbook (available online at <http://www.saddleback.edu/media/pdf/handbook.pdf>).

For this class, it is permissible to assist classmates in general discussions. General advice and interaction are encouraged. HOWEVER, each student must develop his or her own solutions to all assigned work. In other words, students may **NOT** “work together or help each other” on any Graded Work.

REGULAR EFFECTIVE CONTACT:

Regular Effective Contact shall be via the Discussion Board in the class’s Blackboard site with a minimum of two (2) weekly discussion posts.

ASSIGNMENTS AND TESTS:

Reading assignments are required each week. Quizzes are to be completed each week according to the class schedule. All testing will consist of a combination of multiple-choice, fill-in, true/false, and short-answer. LATE work will NOT be accepted. MISSED quizzes CANNOT be made up.

E-Mail:

Every student is assigned a college e-mail account and pin number (password). **Do not** change your e-mail address. If you prefer to receive e-mail at another address, go to <http://www.saddleback.edu> and then to MySite, select “E-mail” and follow the instructions under “Account Information” to automatically **forward** your messages to the address of your choice.

ACCESS TO BLACKBOARD (SADDLEBACK'S ONLINE PORTAL):

Go online to <http://socccd.blackboard.com> , click on "Logon." Your user name and password is the same as your e-mail. If you have a problem, a link to the Blackboard Help Desk and a toll free number are listed to the right of the login. If you have additional questions or problems, go to <http://www.saddleback.edu/de/help1.html> for the Student Technical Support site.

STUDENTS RESPONSIBILITY:

It is the STUDENTS RESPONSIBILITY to officially withdraw (DROP) from the class by the appropriate date.

GRADING:

Final grades will be determined on an exact percentage scale; there will be no deviation from this scale.

90-100%	=A	90%-Quizzes
80-89%	=B	10%-Discussion board posts
70-79%	=C	
60-69%	=D	
Below 60%	=F	

Final grade percentage is determined through a weighted average of quizzes, homework, and tests. Students having the course CREDIT/NO CREDIT must receive 70% or above for CREDIT. It is the STUDENTS RESPONSIBILITY to officially withdraw (DROP) from the class. Students who no longer attend class but do not withdraw will receive a failing grade (F) at semester's end.

STUDENTS WITH DISABILITIES:

If you need course adaptations or accommodations because of a disability or if you need special arrangements, please contact me as soon as possible. Contact Disabled Student Services to register and verify your disability: Telephone 582-4885 (voice) or 582-4833 (TDD).

This course meets the requirements set forth in the accessibility checklist and universal design grid provided by Special Services. The Web pages, video presentations, textbooks and class materials in this course are accessible to students with disabilities.

IMPORTANT DATES:

First Week of Class Begins:	🔔	Tuesday, 2/16/2016
Add without Instructor Permission by:	🔔	Monday, 2/15/2016
Last Day to Add with APC*:	🔔	Wednesday, 3/2/2016
Drop with Refund by:	🔔	Wednesday, 2/24/2016
Elect Pass/No Pass by:	🔔	Monday, 3/14/2016
Drop without 'W' Grade by:	🔔	Wednesday, 3/2/2016
Drop with 'W' Grade by:	🔔	Wednesday, 4/20/2016
Last Week of Class Ends:	🔔	Monday, 5/23/2016

THIS COURSE SCHEDULE IS SUBJECT TO CHANGE AND MAY BE MODIFIED.

<u>COURSE SCHEDULE</u>		
<u>Week</u>	<u>Date</u>	<u>Activity</u>
1	Feb 16-Feb 21	Read Chapter #1-Understanding the Digital Forensics Profession and Investigations
		Take the Chapter #1 Exam by the end of this week.
		Post and Participate in Discussion #1
2	Feb 22-Feb 28	Read Chapter #2-The Investigator's Office and Laboratory
		Take the Chapter #2 Exam by the end of this week.
		Post and Participate in Discussion #2
3	Feb 28-Mar 06	Read Chapter #3-Data Acquisition
		Take the Chapter #3 Exam by the end of this week.
		Post and Participate in Discussion #3
4	Mar 07-Mar 13	Read Chapter #4-Processing Crime and Incident Scenes
		Take the Chapter #4 Exam by the end of this week.
		Post and Participate in Discussion #4
5	Mar 14-Mar 20	Read Chapter #5-Working with Windows and CLI Systems
		Take the Chapter #5 Exam by the end of this week.
		Post and Participate in Discussion #5
6	Mar 21-Mar 27	NO CLASS! Spring Break!
7	Mar 28-Apr 03	Read Chapter #6-Current Digital Forensics Tools
		Take the Chapter #6 Exam by the end of this week.
		Post and Participate in Discussion #6
		Read Chapter #7-Linux and Macintosh File Systems
		Take the Chapter #7 Exam by the end of this week.
		Post and Participate in Discussion #7

8	Apr 04-Apr 10	Read Chapter #8-Recovering Graphics Files
		Take the Chapter #8 Exam by the end of this week.
		Post and Participate in Discussion #8
		Read Chapter #9-Digital Forensics Analysis and Validation
		Take the Chapter #9 Exam by the end of this week.
		Post and Participate in Discussion #9
9	Apr 11-Apr 17	Read Chapter #10-Virtual Machine Forensics, Live Acquisitions, and Network Forensics
		Take the Chapter #10 Exam by the end of this week.
		Post and Participate in Discussion #10
		Read Chapter #11-E-mail and Social Media Investigations
		Take the Chapter #11 Exam by the end of this week.
		Post and Participate in Discussion #11
10	Apr 18-Apr 24	Read Chapter #12-Mobile Device Forensics
		Take the Chapter #12 Exam by the end of this week.
		Post and Participate in Discussion #12
11	Apr 25-May 01	Read Chapter #13-Cloud Forensics
		Take the Chapter #13 Exam by the end of this week.
		Post and Participate in Discussion #13
12	May 02-May 08	Read Chapter #14-Report Writing for High-Tech Investigations
		Take the Chapter #14 Exam by the end of this week.
		Post and Participate in Discussion #14
13	May 09-May 15	Read Chapter #15-Expert Testimony in Digital Investigations
		Take the Chapter #15 Exam by the end of this week.
		Post and Participate in Discussion #15
14	May 16-May 23	Read Chapter #16-Ethics for the Expert Witness
		Take the Chapter #16 Exam by the end of this week.
		Post and Participate in Discussion #16
NOTE:		
1.) Read EVERY section.		
2.) View the video presentations.		
3.) Take the Section Quiz as listed above, by the end of the appropriate week.		
4.) Respond to the appropriate weeks Discussion Questions.		