River Valley Community College
Claremont Campus
1 College Place
Claremont, NH 03743-9707

Business and Information Technology Department
Course Title: **Digital Forensics - CYBS 250R –** 3 Credits

Syllabus - Fall 2015

Instructor: Bob Morris

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Office Location: Claremont, Rooms 151 & 153

Office Hours: By appointment.   **Office Phone:** 603-542-7744 **Ext** 5507

E-Mail Address: rmorris@ccsnh.edu

Class Hours: Tuesdays & Thursdays 1:00 - 2:50 pm

Course Pre- or Co-requisite(s): CYSC 140, Membership in INFRAGARD

Course Description:

Students will learn procedures on tracking, analyzing, and patching security holes after an incident has occurred. This will include seizure of equipment, analysis of confiscated materials, and follow up procedures relating to the incident.

Course Competencies:

Please refer to the course outline for a complete description, competencies, and other relevant course information.

Textbook(s) & Supplies:

Author: Chuck Easttom:
Title: *System Forensics, Investigation, and Response PKG*
Edition: *2nd Ed. & Virtual Lab Code PKG*
ISBN: 9781284073942

(There is an optional E-Book & Virtual Lab for purchase if you would like it in electronic format, ISBN: 9781284073935)

Course Plan – Fall Semester: Please note—tentative and subject to change

Dates for the week of:	Topics	Reading & Assignments Due
09/01	**Course Introduction**	-
09/03 & 09/08	Introduction to Forensics	Chapter 1
09/07	*Labor Day – NO CLASSES !*	-
09/10	Overview of Computer Crime	Chapter 2
09/14	*Note: Last Day to Drop a class for a full Refund*	-
09/15 & 09/17	Forensic Methods and Labs	Chapter 3
09/22 & 09/24	Collecting, Seizing, and Protecting Evidence	Chapter 4
09/29 & 10/01	Understanding Techniques for Hiding and Scrambling Information	Chapter 5
10/06 & 10/08	Recovering Data	Chapter 6
10/13 & 10/15	E-Mail Forensics	Chapter 7
10/20 & 10/22	Windows Forensics	Chapter 8
10/23 to 10/30	**Midterm Exam - Online**	-
10/27	*Symposium – NO CLASSES !*	-
10/29	Windows Forensics	Chapter 8
11/03 & 11/05	Linux Forensics	Chapter 9
11/10 to 11/16	*Register for Spring 2016 Courses !* *Be sure to make payment arrangements !*	-
11/10 & 11/12	Macintosh Forensics	Chapter 10
11/11	*Veteran's Day – No CLASSES !*	-
11/17 & 11/19	Mobile Forensics	Chapter 11
11/24 & 11/26	Performing Network Analysis	Chapter 12
11/26 & 11/27	*Thanksgiving Holiday – NO CLASSES !*	-
12/01 & 12/03	Incident and Intrusion Response	Chapter 13
12/08 & 12/10	Trends and Future Directions	Chapter 14
12/15	System Forensics Resources	Chapter 15
12/17	**Final Exam / Course Project and Presentations**	-

Course Plan – Assessment

Assignment:	Weight:
Weekly Homework / Discussion	20%
Quizzes	5%
Labs	35%
Mid Term Exam	15%
Participation	10%
Final Exam	15%
Total	*100%*

Grading

Final grades will be assigned as follows:

A		94 – 100
A-		90 – 93
B+		86 – 89
B		83 – 85
B-		80 – 82
C+		76 – 79
C		73 – 75
C-		70 – 72 (Non-Transferable)
D		60 – 69 (Essentially an F)
F		59 and Below

Student Handbook:

All students are expected to read and to be familiar with the River Valley Community College Student Handbook. This handbook contains important policies and procedures related, but not limited, to the following: academic affairs, student services, general policies and services, and student activities and organizations.

Cell Phones:

All students are required to read and to comply with the cell phone usage policy in the Student Handbook (approx. page 39). Students are expected to demonstrate professional behavior and common courtesy during class time. Students will be asked to put cell phones away during exam periods.

Student Email:

Each student at River Valley Community College is issued a student email address. Please refer to the Student Handbook (approx. page 16) for additional information. Students are encouraged to use this address for course communication and to check their email on a regular basis.

Late Assignments:

Late assignments will be marked down at the instructor's discretion. Also, assignments that are more than two weeks overdue will not be accepted unless there are extenuating circumstances and alternative arrangements have been made.

Course Procedures/Rules of Conduct/Ethics:

Please refer to the *Student Handbook* for clarification of academic honesty. The computer technology program has a very specific code of conduct. Lying, cheating, stealing or tolerating those in the program who do, is not acceptable.

Intellectual Property Rights:

Students enrolled in this course that choose to continue past the course drop date with full refund (see approx. page 32 of the student handbook) have chosen to opt in to the conditions of this course. Any and all work completed by the students, as part of this course, is the property of River Valley Community College and may be used by the faculty or staff in any way to better the academic community at RVCC. Students will receive appropriate acknowledgment or credit for such usage.

Accommodations for Students with Learning Disabilities:

This college provides reasonable accommodations for students with learning disabilities. Students who require course accommodations due to documented disabilities must share their college Accommodation Plans with me. Please contact the Disability Coordinator at 542-7744, extension 5421, cdriesch@ccsnh.edu if you do not have a college plan or would like more information about disability services.

Student Support Services:

All students are invited to visit the Department of Instructional Services 542-7744, extension 5421, cdriesch@ccsnh.edu for information on how to access tutoring, Writing Center, PLATO, personal computers, related academic workshops, and disability support services.

Attendance:

Attendance is a very important element to college success. Please act responsibly.
- ***Due to Federal Financial Aid regulations attendance is periodically reported to the Registrar.***

Cancellations/Delays:

Information regarding the College's procedures is detailed in the Student Handbook (approx. page 14).

Classroom Safety:

Safety is everyone's responsibility.

CAVEAT:

This syllabus is subject to change at any time at the instructor's discretion.