Effective Collation of Campus-Wide Learning Outcomes Using Google Documents

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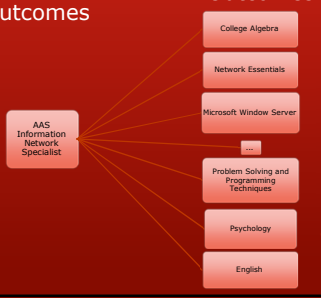
Outline

- Course Learning Outcomes
- Program Learning Outcomes
- Timeline
- Google
- Demo
- Pros and Cons
- Summary

Learning Outcomes

Program Outcomes

Course Outcomes



Learning Outcomes

- Mapping Course Outcomes: http://bpcc.edu/academics/syllabi/

Bossier Parish Community College
Syllabus

Course Prefix and Number: CIT 279 **Credit Hours:** 3

Course Title: Information Assurance

Course Prerequisites: CIT 225

Textbook: Principles of Information Security 4th Edition. Michael Whitman. Course Technology. 978-1-111-13821-9.
Lab Manual: Hands on Information Security Lab Manual 3rd Edition. Michael Whitman. Course Technology. 978-1-4354-4156-9
Supplemental: 8500.1 Manual

Course Description: This course is an introduction to the field of Information Assurance (Security). Various kinds of threats that might be faced by an information system and the security techniques used to fight them are covered. Hacker methods, viruses, worms, bombs, and

Learning Outcomes

Learning Outcomes:
At the end of the course, the student will:

A. apply general Security elements;
B. be able to work with network security issues;
C. be able to work with system security issues; and
D. be able to work with security assurance.

To achieve the learning outcomes, the students will (The letter designations at the end of each statement refer to the learning outcome(s).)

1. Learn the definition of Information Security, (A)
2. Learn the description of security process; (A)
3. Learn how to describe threats to IT assets; (A)

Learning Outcomes

- Mapping to Program Outcomes
- http://bpcc.edu/tem/

Associate of Applied Science in Information Network Specialist

The **Information Network Specialist program** focuses on the design and implementation of computer networks and associated software, to maximize productivity in a live production environment. The program prepares individuals to function as entry level network specialists, and includes instruction in operating systems and applications; systems design and analysis; networking theory and solutions; types of networks; network management and control; network and flow optimization; security; configuring; and troubleshooting.

Learning Outcomes:

Recipients of the **Associate of Applied Science in Information Network Specialist** will have demonstrated:

A. clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;

B. the ability to critically analyze computer network installation, maintenance, management and enhancement;

C. working knowledge in local area networks, wide area networks, servers and other end-user devices enabling graduates to critically analyze and react to new developments in their field;

D. the utilization of mathematics to collect, analyze and interpret technical data collected through investigation and experimentation; and

E. an application of software responsibilities for managing software, security, and user accounts to gain hands-on experience.

Learning Outcomes

- Course Learning Outcome to Program Learning Outcome

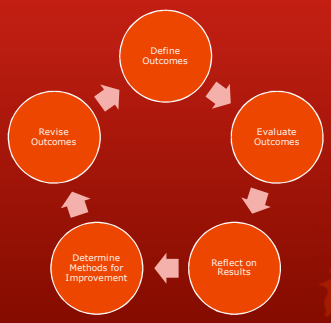
Course Description: This course is an introduction to the field of Information Assurance (Security). Various kinds of threats that might be faced by an information system and the security techniques used to fight them are covered. Hacker methods, viruses, worms, bombs, and system vulnerabilities are described with respect to the actions that must be taken by a Network Manager to thwart them. Existing and planned protection methods and defenses are mapped to the information system threats and attacks. This course provides the background for those individuals who seek skills in the areas of Network and Data Security. This course also is part of the courses required to get CNSS 4011 and CNSS 4012 certifications.

This course is mapped to the following program outcomes:
(AASINSS: A,B,C,E. AASINS: A,B,E . AASISAS: A,E)

Learning Outcomes:
At the end of the course, the student will:

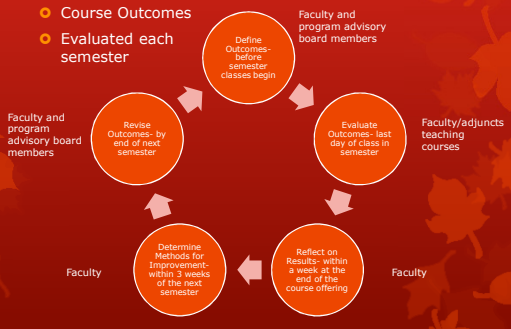
A. apply general Security elements;
B. be able to work with network security issues;
C. be able to work with system security issues; and
D. be able to work with security assurance.

Timeline



Timeline

- Course Outcomes
- Evaluated each semester



Timeline

Validation of Learning Outcomes
Introduction to Criminal Justice (CJUS 101)

Semester:_____ Section___ Time:____ Days:_____ Instructor:_____

Learning Outcome	Summative Assessment	Number of students who took the Summative Assessment	Number of students who successfully demonstrated the learning outcome	Percentage of students who successfully demonstrated the learning outcome
A. Recognize the importance to criminal justice of the first, fourth, fifth, sixth, and fourteenth Amendments to the Unities States Constitution	The student must score a 70% or better on specific items related to the learning outcome.			
B. Identify leading United States Supreme Court Decisions in relation to law enforcement procedures	The student must score a 70% or better on specific items related to the learning			

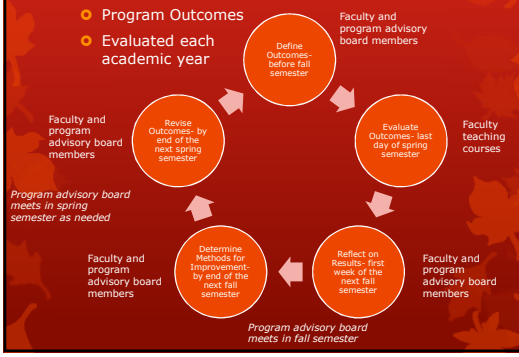
Timeline

	the learning outcome.			
C. Describe the events leading to landmark decision establishing major civil rights changes in law enforcements procedures	The student must score a 70% or better on specific items related to the learning outcome.			
D. Describe major systems within the Criminal Justice System	The student must score a 70% or better on specific items related to the learning outcome.			

Number of students enrolled in the class at beginning of semester: _____
Strategies for Improvement: _____

Timeline

- Program Outcomes
- Evaluated each academic year



Timeline

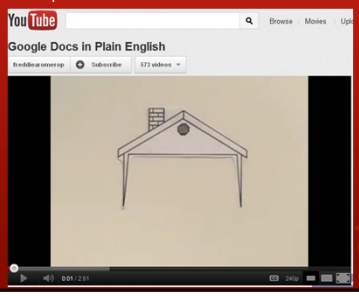
- System/Procedure requirements
  - Flexible- data, analysis, text
  - Shared/Edited with multiple users
  - Used off and on campus
  - Secure
  - Simple
  - Easy to maintain
  - Minimum setup semester to semester
  - Printing format
  - Export abilities
  - Inexpensive

Google

- Free!
- Integrated system (documents, gmail, calendar, picasa, maps, voice)
- Initially given 8 Gigs
- Automatic saving
- 99.9% cloud uptime
- Requirements for users: email address
- Up to 50 simultaneous editors allowed at the same time, 200 viewers
- Private, shared or public file storage
- Constantly updated
- Recovery system- view the history of the document
- Documents similar to Word, Excel, PowerPoint

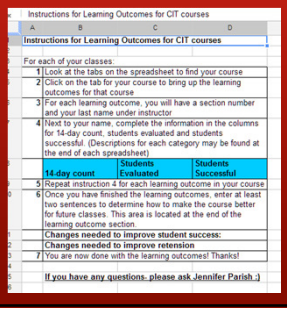
Google

- http://www.youtube.com/watch?v=J-3s574poHY&feature=related



Google

- Google Docs Learning Outcomes instructions



Instructions for Learning Outcomes for CIT courses

Instructions for Learning Outcomes for CIT courses

For each of your classes:

1. Look at the tabs on the spreadsheet to find your course
2. Click on the tab for your course to bring up the learning outcomes for that course
3. For each learning outcome, you will have a section number and your last name under instructor
4. Next to your name, complete the information in the columns for 14-day count, students evaluated and students successful. (Descriptions for each category may be found at the end of each spreadsheet)

	14-day count	Students Evaluated	Students Successful

5. Repeat instruction 4 for each learning outcome in your course
6. Once you have finished the learning outcomes, enter at least two sentences to determine how to make the course better for future classes. This area is located at the end of the learning outcome section.

Changes needed to improve student success:

Changes needed to improve retension

7. You are now done with the learning outcomes! Thanks!

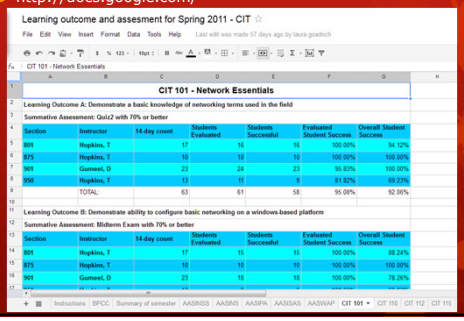
If you have any questions- please ask Jennifer Parish :)

Google

- Training
- Small groups (5-10)
  - Train
    1. Administration
    2. Staff
    3. Faculty (those comfortable with the computer first)
    4. Adjuncts
  - 30 minutes to 1 hour
  - Handouts for all instructions
  - Snacks

Google

- http://docs.google.com/



Learning outcome and assesment for Spring 2011 - CIT

File Edit View Insert Format Data Tools Help

CIT 101 - Network Essentials

CIT 101 - Network Essentials

Learning Outcome A: Demonstrate a basic knowledge of networking terms used in the field

Summative Assesment: Quiz2 with 70% or better

Section	Instructor	14-day count	Students Evaluated	Students Successful	Evaluated Student Success	Overall Student Success
805	Hopkins, T	17	16	16	100.00%	94.12%
875	Hopkins, T	10	10	10	100.00%	100.00%
901	Gumeel, D	23	24	23	95.83%	100.00%
950	Hopkins, T	13	11	9	81.82%	69.23%
	TOTAL	63	61	58	96.08%	92.06%

Learning Outcome B: Demonstrate ability to configure basic networking on a windows-based platform

Summative Assesment: Midterm Exam with 70% or better

Section	Instructor	14-day count	Students Evaluated	Students Successful	Evaluated Student Success	Overall Student Success
805	Hopkins, T	17	15	15	100.00%	88.24%
875	Hopkins, T	10	10	10	100.00%	100.00%
901	Gumeel, D	23	18	18	100.00%	78.26%

Instructions | BFCC | Summary of semester | AASINSS | AASINS | AASIPA | AASISAS | AASWAP | CIT 101 | CIT 110 | CIT 112 | CIT 115

Google

- Course outcome reflection and review

CIT 101

Changes needed to improve student success:
Hopkins: add a couple of projects in the course
Gumeel: I think next semester I need to use Exam Cram as practice for the Network+. I don't think the Measure exam that comes with the book is effective enough. Also I need to let the student practice for the Network+ earlier and contiue though out the class (Focus of practicing for the Network+)

Changes needed to improve retension:
Hopkins: The students I talked to about why they dropped mostly did so because they took more classes then they could handle. No student that I know dropped due to the course work or class structure.
Gumeel: I think I need to pay very close attention to the students attendance early and through out the class life cycle, and try to call those was not participating in the class and help them manage their schedule and see if they have any issues with layout of the class.

Summary of results from all Learning Outcomes

Course	14-day count	Students Evaluated	Students Successful	Evaluated Student Success	Overall Student Success
CIT 101	63	54.5	53.25	97.82%	84.52%

Faculty response from 9-9-2011: In the eight week class, Gumeel reported that she stared earlier with ExamCram so the students will have more time to practice with the assignments, quizzes, and adaptive drills. Hopkins reported that there were and increased number of projects required and hes started sending out emails earlier to make the class more personal to the students. As a result, Hopkins reported that three students that would have been suspended, came back to class and are doing well.

Google

- Course outcomes to program outcomes

Associate of Applied Science in Information Network Specialist

Learning Outcome A: clarity in verbal and written communication to accurately convey technical information and to critically read and interpret technical literature;
Summative Assessment: Average results from all learning outcomes in the courses listed below

Course	14-day count	Students Evaluated	Students Successful	Evaluated Student Success	Overall Student Success
CIT 101	63	54.5	53.25	97.82%	84.52%
CIT 115	29	29	22	75.86%	75.86%
CIT 129	21	21	20.75	98.81%	98.81%
CIT 121	19	19	14	73.68%	73.68%
CIT 122	9	8.33	7.67	92.59%	85.19%
CIT 170	4	4	4	100%	100%
CIT 219	9	9	9	100%	100%
CWD 280	14	12	11.5	95.83%	82.14%
CIT 292	4	4	6	100%	100%
TOTAL:	172	160.83	148.17	92.12%	86.14%

(Classes in Learning Outcome A not offered this semester: CIT 221, 222, CWD 210)

Learning Outcome B: the ability to critically analyze computer network installation, maintenance, management and enhancement;
Summative Assessment: Average results from all learning outcomes in the courses listed below

Course	14-day count	Students Evaluated	Students Successful	Evaluated Student Success	Overall Student Success
CIT 101	63	54.5	53.25	97.82%	84.52%

Summary

- Start of the semester
  - First semester spreadsheet creation- 2-3 days
    - Copy and paste learning outcomes from posted master syllabi
    - Enter the section and faculty for each course in the semester
    - Faculty will need to complete the summative assessments along with the
    - Link courses with program outcomes
  - Future semester spreadsheet- 3-4 hours
    - Confirm learning outcomes and links are updated as needed
    - Enter the section and faculty for each course in the semester
- End of the semester- 2-3 hours
  - Review the links/sums are correct for course and program learning outcomes
  - Copy and paste the course learning outcome comments into a summary page
  - Format data to print to PDF and share
- Reflection updates to the program/course
  - Faculty reflection on each course/program- 1 hour each
  - Creation of summary page with all summary comments- 3-4 hours

Summary

- Benefits
  - Faculty can enter data any time/ any where there is any Internet connection
  - Once the information is entered and linked, just copy for the next course/program offering
  - Faculty can see how all course sections are performing; encourages collaboration
- Disadvantages
  - Not a database
  - Links/sums can be changed accidentally and need to be reviewed after faculty input their data
  - Still requires a review by all entities

Thanks!

Questions?

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http://LAURA.GOADRICH.COM/sacs