1.	Course Title Introduction to Computer Security					
2.	Course Code	CSEC1013				
3.	Status	Major				
4.	Credit Hour	3 (2+1) 2 for Lecture (2 hours per week x 14 weeks) 1 for Practical (1.5 hour per x 14 weeks)				
5.	Semester/Year	2/3				
6.	Prerequisites	CICT1033 & CCPS1023				
7.	Teaching method:	Distance Learning (Electronic)				
8	Evaluation	Assessment and Marking Percentage: Quizzes Assignments Interactions through discussion board Mid-Semester Exam Final Examination	10 % 10 % 10 % 20 % 50 %			
9.	Lecturer	Tital Examination	30 /0			
10.	Objective of the Subject	CSEC1013 is an introductory course for students to understand the following area computer security:  • Operating Systems security  • Application security  • Network security  Other than the theoretical basics on computer security, students are expected to do hands-on exercises and solve problems related to network security.				
11.	Learning Outcomes	<ul> <li>Upon completing CSEC1013, students are expected to be able to:         <ul> <li>Understand the foundation of computer security</li> <li>Secure applications, operating systems and internet transactions</li> <li>Do basic security assessment for application and network</li> <li>Do basic intrusion analysis to identify source of attacks</li> </ul> </li> </ul>				
12.	Synopsis	CSEC1013 is designed to teach the foundation of computer security from the perspective of a system administrator and a penetration tester. Students will be doing hands-on exercise on top of the weekly lecture sessions.				
13.	Topics	Details	Lecture (Hrs)	Practical (Hrs)		
	Topic 1	Introduction to Computer Security	4	3		
	Topic 2	Practical Cryptography	5	3		
	Topic 3	Operating Systems Security  Operating System Security Basics OS Configuration, Fortification, Hardening Common OS Attacks	5	4.5		
	Topic 4	Software Security	1	i		

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		<ul><li>Common attacks to Software</li><li>Web Application Security</li></ul>			
	Topic 5	Network Security  Network Security basics Common network attacks Network security In-depth	5	3	
	Topic 6	Security Assessment	28	3 21	
		Equivalent lecture hours	28	14	
		Total lecture hours	42		
		Credit hours	3		
L4.	Sources of reference: Textbook:	Mateti, P. (2007). Internet Security. Open Content License (GPL)			
15.	Additional References:	<ol> <li>Bishop, Matt (2004). Introduction to Computer Security. Addison-Wesley Professional.</li> <li>Bishop, Matt (2002). Computer Security: Art and Design. Addison-Wesley Professional.</li> <li>Stallings, Williams (2004). Operating System: Internals and Design Principles (5<sup>th</sup> ed).         Prentice Hall.     </li> </ol>			
	Other materials:	All other materials will be available to students online.			