

SILVER OAK UNIVERSITY									
Program	Btech				Branch/Spec.	Cyber Security			
Semester	III				Version	1			
Effective from Academic Year			2020 - 21		Effective for the batch Admitted in			June 2020	
Subject code	CSF301		Subject Name		Ethical Hacking Fundamental				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		Internal	External	Practical
	L	TU	P	TW		Marks	30	70	50
Credit	3	0	1	0	4	Total			150
Hours	3	0	2	0	5				
Theory syllabus									
Unit	Content								Hrs
1	Introduction: What You Should Expect, What Is Hacking? Types Of Hacking, Being Ethical, Legal Issues around Hacking, DOS Prompt Commands, Linux/Mac Terminal and Commands, Basic Computer Terminology, Computer Security models, Computer Security Terms								10
2	Footprinting And Reconnaissance: Reconnaissance, History Lessons, Way Back Machine, Using Your Resources, Job Listings, People Searches, Social Networks 0204 Using Whois Lookups, Using DNS To Extract Information: Google Hacking, Google Hacking Database								10
3	Information Gathering: Information Gathering: whois, nslookup, netcraft - web server fingerprinting - subdomain enumeration - fingerprinting frameworks - hidden resource enumeration								12
4	Networking and Terminologies: History Of TCP/IP, Using Wireshark to Examine Packets, OSI and IP Models, Addressing, Different types of network layer attacks–Firewall (ACL, Packet Filtering, DMZ, Alerts and Audit Trails)								8