پیاده سازی پروژه	راهنمای عملی	پژوهشی	تاپیک	فصل
N	N	Y	T01 Linux distributions	S01 Understanding of Basic Linux Systems
N	N	Y	T02 Linux file system and hierarchy	
N	N	Y	T03 Bash shell scripting	
N	Y	Y	T04 Network interfaces and settings	
N	Y	Y	T05 Linux process management	
N	Y	Y	T06 Linux user and group management	
N	Y	Y	T07 Linux system logs	
N	N	Y	T01 Recognizing potential threats	S02 Importance of Server Hardening
N	N	Y	T02 Understanding types of attacks	
N	N	Y	T03 Realizing the risk of unhardened systems	
N	N	Y	T04 Appreciating the need for continuous security monitoring	
N	N	Y	T05 Balancing security with functionality	
N	Y	Y	T01 Kernel modules	S03 Linux Kernel Hardening
Y	Y	N	T02 Kernel parameter tuning	
Y	Y	N	T03 SELinux or AppArmor	
Y	Y	N	T04 Linux kernel security updates	
Y	Y	N	T05 Linux kernel vulnerability scanning	

پیاده سازی پروژه	راهنمای عملی	پژوهشی	تاپیک	فصل
Y	Y	N	T01 File permissions and ownership	S04 File System Hardening
N	N	Y	T02 Mount options for system file systems	
N	Y	Y	T03 Sticky bit, SUID, SGID	
N	Y	N	T04 ACL (access control lists)	
N	Y	N	T05 File integrity checkers (AIDE, Tripwire)	
N	Y	N	T06 Encryption of sensitive data	
Y	Y	N	T01 Host firewall (iptables, nftables)	S05 Network Security
Y	Y	N	T02 KnockD	
Y	Y	N	T03 Disabling unnecessary network services	
Y	Y	N	T04 Securing network protocols (SSH)	
N	Y	Y	T05 Network monitoring and intrusion detection systems	
Y	Y	N	T06 IPv6 hardening	
Y	Y	N	T01 Public key authentication	S06 Secure Remote Administration
Y	Y	N	T02 Two-factor authentication	
Y	Y	N	T03 Fail2ban	
N	N	Y	T04 Damaging consequences of insecure remote administration	

پیاده سازی پروژه	راهنمای عملی	پژوهشی	تاپیک	فصل
N	Y	Y	T01 Minimizing software to reduce vulnerability	S07 Application Security
N	N	Y	T02 Understanding common application vulnerabilities	
N	Y	Y	T03 Deploying application firewalls	
N	Y	N	T04 User and group security	
N	Y	Y	T05 Application isolation techniques	
Y	Y	Y	T01 Password policy enforcement	S08 User Account Security
N	Y	N	T02 Default account settings	
Y	Y	N	T03 User activity logging	
N	Y	N	T04 User environment restriction	
N	Y	N	T05 User-based access control lists	
Y	Y	N	T06 Management of root access and sudo privileges	
N	N	Y	T01 Importance of regular backups	S09 Backup and Disaster Recovery Plan
N	N	Y	T02 Backup solutions	
Y	Y	N	T03 Creating a backup schedule	
N	N	Y	T04 Disaster recovery planning	