ENI [ÉCOLE INFORMATIQUE] REACT, WEB SECURITY AND NETWORKS SUMMER SCHOOL

Week 2				
Web Security (**Hatem Ahriz**)	• OWASP Top 10, Web technologies, HTTP, mapping the target app, reconnaissance, scanning • Attacking storage: SQL injection • Attacking authentication and session management • Attacking users - cross-site scripting (XSS), cross-site request forgery (CSRF) • Path Traversal, File-based vulnerabilities, API Security, • Coursework: Capture The Flag (CTF), and securing a web server and web app			
Mon 11th Aug	**Tue 12th Aug**	**Wed 13th Aug**	**Thu 14th Aug**	**Fri 15th Aug**
09:00 -10:45 Lecture 1: Introduction, OWASP Top 10 Lab 1: Lab Setup	09:00 -10:45 Lecture 4: SQL Injection Lab 4: Bypassing authentication	09:00 -10:45 Lecture 7: Attacking authentication Lab 7: Brute forcing, session hijacking	09:00 -10:45 Lecture 10: Path traversal and File-upload vulnerability Lab 10: Path traversal and File-upload vulnerability	09:00 -10:45 Coursework
10:45 – 11:10 Break	10:45 – 11:10 Break	10:45 – 11:10 Break	10:45 – 11:10 Break	10:45 – 11:10 Break
11:10 – 13:00 Lecture 2: HTTP, Web Technologies Lab 2: Mapping the web app	11:10 – 13:00 Lecture 5: SQL Injection Lab 5: Data Access, Reading/Writing to Filesystem	11:10 – 13:00 Lecture 8: Attacking users (XSS) Lab 8: XSS	11:10 – 13:00 Lecture 11: API Security Lab 11: API Security	11:10 – 13:00 Coursework
13:00 – 14:00 Lunch	13:00 – 14:00 Lunch	13:00 – 14:00 Lunch	13:00 – 14:00 Lunch	13:00 – 14:00 Lunch
14:00 – 15:45 Lecture 3: Mapping the web app Lab 3: scanning for vulnerabilities	14:00 – 15:45 Lecture 6: SQL Injection Lab 6: Automating the attack	14:00 – 15:45 Lecture 9: Attacking users (CSRF) Lab 9: CSRF	14:00 – 15:45 Coursework (time permitting) – Otherwise use the time to catch up on previous labs	14:00 – 15:45 Coursework
15:45 – 16:00 Review of Learning	15:45 – 16:00 Review of Learning	15:45 – 16:00 Review of Learning	15:45 – 16:00 Review of Learning	15:45 – 16:00 Review of Learning