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

Week 1				
React System Development (**Pam Johnson**)	• Introduction to web systems and React • JSX - "To Do" list tyle app (create_next_app for creating a React app); hooks. • To Do list connection to database – (your own) API integration • Multi-page web apps (with Next.js) • Payments (Third party and PayPal API integration)			
Mon 4ᵗʰ Aug	**Tue 5ᵗʰ Aug**	**Wed 6ᵗʰ Aug**	**Thu 7ᵗʰ Aug**	**Fri 8ᵗʰ Aug**
09:00 -11:00 Welcome & Induction to SoCET/RGU	09:00 -10:45 Lecture 3 and discussion on Web Technology (React)	09:00 -10:45 Lecture 4: Tiers Lab 4 (cont) React with a Database (To Do app)	09:00 -10:45 PayPal API lab continued.	09:00 -10:45 Student-driven lab activities (optional labs: user logins and roulette wheel)
	10:45 – 11:10 Break	10:45 – 11:10 Break	10:45 – 11:10 Break	10:45 – 11:10 Break
11:00 – 13:00 Lecture 1 and Practical Laboratory 1 Basic Web	11:10 – 13:00 Laboratory 3 Adding a Mongo database	11:10 – 13:00 Lab 4 continued: APIs	11:10 – 13:00 Lecture 5: Design Patterns, followed by Debugging Discussion (including vibe coding)	11:10 – 13:00 Student-driven lab activities (optional labs: user logins and roulette wheel)
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 2 and Practical Laboratory 2 Linux hosts (optional docker)	14:00 – 15:45 Lab 4: Beginning React (long lab, continues tomorrow).	14:00 – 15:45 Lecture 5 and Practical Laboratory 4 continued: PayPal API.	14:00 – 15:45 Student-driven lab activities.	14:00 – 15:45 Final discussion and best practices.
				15:15 – 15:30 Review of Learning