

RCET 0253 Linear Regulators & Switch Mode Power Supplies

Lab 10 Check-Off Sheet

Student Information

Name

Start Date

Check-Offs

Action item	Date (DD/MM/YY)	Status	Instructor Initials
1. LM317 Linear Regulator Specifications		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
2. LM317 Linear Regulator Fixed Voltage		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
3. LM317 Linear Regulator Variable Voltage		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
4. LM317 Linear Regulator Fixed Current		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
5. LM317 Linear Regulator Variable Current		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
7. Heatsink Calculations		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
8. Heatsink power dissipation measurement		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
9. BUCK SMPS PWM verification (5v to 25v) with 1K Ω load		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
10. BUCK SMPS design and measurement at 1amp		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
11. BOOST SMPS design and verification		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
12. PWM w/555		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	
13. Voltage Controlled PWM feedback		<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory	

Check-Off Redo

[illegible]