

Physics 2211: *Matter and Interactions*

Chapter 11 Standards

- 1. I can calculate the angular momentum of an object/system (translational, rotational, total).**
- 2. I can apply the relationship $v = \omega r$ when appropriate.**
- 3. I can calculate the cross product of two vectors.**
- 4. I can calculate the torque due a force with respect to a particular location.**
- 5. I can combine two or three different fundamental principles to solve complicated problems.**
- 6. I can identify whether the torque on a system is zero or non-zero.**
- 7. I can apply the angular momentum principle to isolated systems and systems with a net external torque.**
- 8. I can use the angular momentum principle to predict the location of a spinning object.**
- 9. I can discuss the consequences of angular momentum quantization of atomic-scale systems.**