Inverted Pendulum Project : Stage 1 evaluation Total points: 25

1. Make a sketch of your proposed design:	(5 points)
2. List out what components and materials you will use to construct the inverted pendulun	1. (2 points)
3. What are you using as the sensor?	(1 point)
4. What are you using as the actuator?	(1 point)
5. What is the output (measured) variable?	(1 point)

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6. What is the control input?	(1 point)
7. Write the mathematical model for your inverted pendulum system.	(5 points)
8. How are the output and control input related?	(2 points)
9. What system parameters will you require to be included in the code?	(2 points)
10. Please bring the components, materials and semi-finished model to class and g your instructor. Final working demo on Friday, 22nd November 3:30 p.m.	et it checked by (5 points)
	(1 - 2)