

**ENGR 202/ section G**  
**Sustainable Development and Environmental Stewardship**  
**Instructor : Dr. John Hadjinicolaou**

**MID TERM EXAM**

**October 14, 2016**

**CLOSED BOOK**

**4:15 pm- 5:30 pm**

**25 Marks**

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1. What is environmental stewardship ? ( 2 marks)
2. Name two activities that impact groundwater quality ( 2 marks)
3. Name six priority parameters that impact water quality ( 2 marks)
4. If the equivalent CO<sub>2</sub> emissions are reduced from 1.26x10<sup>5</sup> tonnes per year to 7.6x10<sup>4</sup> by replacing coal with natural gas ,what is the % reduction in emission? ( 2 marks)
5. What is the difference between primary and secondary water quality standards ? ( 2 marks)
6. Define "acid rain" by describing how it is formed ( 2 marks)
7. What do the following acronyms stand for :  
BOD, CFCs, TSS and IPCC ( 2 marks)
8. Which are the four characteristics that define hazardous wastes ? (2 marks)