**VM433 FA2016 Project 2 Part B Requirements from TA**

1. For all the parts, please make sure you type the correct function names (see project description), as well as spelling, uppercase/lowercase and inputs/outputs.

2. Requirements for specific parts:

(1) In Part B4, please add the following command at the end of "realTurbomachineryLMS100.m":

```
Result_B4 = [ Thermal_eff, heat_rate, specific_work, turbine_ext_T ];
```

where the four parameters are the thermal efficiency, heat rate, specific work and turbine exhaust temperature that you obtained from Part B4, respectively. You may use your own parameter naming convention, but please order them in this way and name the array as "Result_B4".

(2) In Part B7, please add the following command at the end of "reactiveLMS100.m":

```
Result_B7 = [ Thermal_eff, heat_rate, specific_work, turbine_ext_T ];
```

where the four parameters are the thermal efficiency, heat rate, specific work and turbine exhaust temperature that you obtained from Part B7, respectively. You may use your own parameter naming convention, but please order them in this way and name the array as "Result_B7".

3. For this particular project, please do NOT use clean up commands in your scripts — specifically, `clear`, `close` and `clc`.

4. Please strictly follow the order of mixture gases and input them whenever you call your functions. You may set some of them to be zero for air/fuel.

```
{ 'O2'; 'N2'; 'Ar'; 'CO2'; 'H2O'; 'CH4'; 'C2H6'; 'C3H8' }
```

Note that you should input their names in the correct format, i.e., in char, not in double.

5. Please note that the input polytropic efficiencies are in percentage.