CE 331
CONCRETE MIXING LAB

	Oven Dry Design Weights (g)						
			OD Aggregate				
Mixture ID	Cement	Water	WRA	Fine	Coarse	w/c	Batch Water
1	1656	488	8.3	1995	2102		
2	1656	488	0	1995	2102		
3	1509	539	4.5	1995	2102		
4	1385	582	0	1995	2102		
5	1113	668	0	1995	2102		

Sand Abs: 1.8% Coarse Abs: 0.8%

 $Water\ in\ aggregate = Abs\cdot M_{od}$

Water for Fine Aggregate Absorption:

 $Water_FA =$

Water for Coarse Aggregate Absorption:

 $Water_CA =$

The mixing water for each mixure can be defined as:

Batch Water = Mix Water + Water_FA + Water_CA

Mix Water is the water that contributes to the w/c (i.e. intial porosity)