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## CEE361 – Introduction to Environmental Engineering Spring 2012 Lab Syllabus

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**TA:** Michelle Young, PhD student in Environmental Engineering

**Office Hours:** 1:15 to 3PM on Tuesdays (or by appointment) at ECD110 (the lab location)

**Email:** aumny@asu.edu

**Lab time:**

Fridays, 11:50 am – 2:20 pm (beginning Feb 2)

**Requirements & Evaluation:**

- Attendance is mandatory. Your absence without permission by the professor or the TA beforehand will make your grade zero.
- Your grade will be reduced if you enter the lab without previewing materials and being prepared to do the lab exercise.
- Please remember to wear closed-toe shoes. Sandal, flip-flops, or other open-toe footwear is unsafe. You will not be allowed in the lab without proper footwear.
- You also need to wear clothing that is appropriately protective. This means that you should wear long pants and socks. Long-sleeve shirts also are recommended.
- For wet labs you also need to wear laboratory coats and safety glasses. These will all be provided to you in the beginning of each lab session. These must never be removed from the laboratory.
- During the first lab session, you will be introduced to basic precautionary measures that you **MUST** observe to ensure your safety and the safety of your co-workers while working inside the lab. You **MUST** adhere to these precautions at all times when inside the lab.
- Grades will be assigned on the basis of attendance, performance, and reports.
- The reports should be submitted as a group and with the required format (can be downloaded from the Blackboard). Reports are due one week after the lab, unless otherwise stated, at the beginning of the lab/recitation period on the due date. Late reports will not be accepted and will result in a zero grade.
- All lab reports will be submitted in paper format on the required date.
- Please cite references for methods, facts, or quotations. Failure to attribute source material may be considered plagiarism, which will be dealt with in accordance with university academic policy.

## Grading:

Each laboratory score is worth 100 points. The grade distribution will be as follows:

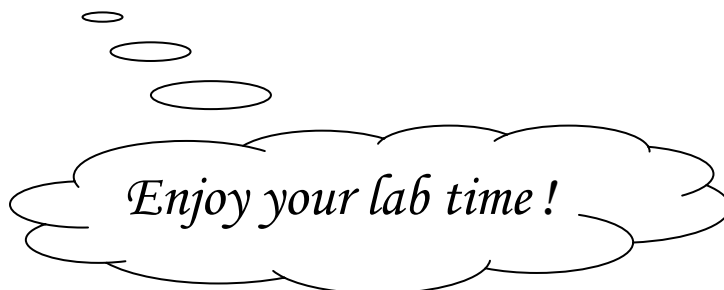
✚ Performance during the lab – 30

✚ Report - 70

- Introduction (15 points) -- In this section, you should summarize the **background** of this topic. You may find relevant background in textbooks, papers, or website. Please use your own words and cite sources.
- Results (20 points) -- Put your **processed data** here in the forms of figures and tables, as appropriate.
- Discussion (20 points) -- This section must include an **interpretation** of results, including **responses to the questions** raised in the lab handout.
- References (5 points) -- Here you list all the information about the source you cited in the sections above.
- Appendix (10 points) -- You can put here all the supplementary materials, like your calculations, raw data, sheets offered by the instructor or the TA, and any other information necessary to understand the report.

## Schedule (subject to change):

Lab #	Subject	Location	Date	Group	Report Due Date
1	Coagulation and Flocculation	ECD 110	Feb 3	A	Feb 10
			Feb 10	B	Feb 17
			Feb 17	C	Feb 24
2	Dissolved Oxygen, Biochemical Oxygen Demand and Aeration	ECD 110	Feb 24	A	Mar 2
			Mar 2	B	Mar 9
			Mar 9	C	Mar 16
3	Phoenix Air Quality	PSA 103	Apr 6	All	Apr 13



## Group Distribution:

	Group A	Group B	Group C
Station #1	Aguayo, Matthew	Begic, Rusmir	Chill, Andrew
	Harbin, Zachary	Jenkins, Tierra	Mazulis Aleman, Christopher
	Ramirez, Eddy	Sariego, Ryan	Torrens, Gwendolyn
	Whitesinger, Henry		
Station #2	Archer, Melissa	Bondy-Villa, Austin	Cyrus, Arash
	Harrington, Joseph	Jonovich, Kirk	McConn, Kyle
	Ramirez, Ivan	Smith, Turner	Vidal, Mark
Station #3	Baez, Maria	Bowler, Harvey	Dohi, Preston
	Stupar, Vedran	Masroor, Munaf	Mendez, Bianca
	Record, Ronald	Snider, Jason	Villaflor, Arlene
Station #4	Bah, Souleymane	Bugai, Thomas	Fowler, Carl
	Ibarra, Tania	Mahoney, Kurt	Monje, Kyle
	Reilly, Russell	Tarin, Mohammed	Walker, Kyle
Station #5	Barkan, Benjamin	Burns, Rjonn	Fradenburg, Alaric
	Inocencio, Daniel	Mann, Chelsea	Moran, Justin
	Rocha, Ramon	Thompson, Eric	Wellman, Robert
Station #6	Bartos, Matthew	Celoza, Amelia	Garrett, Chase
	Jackson, Marcus	Markley, Ray	Porras, Andrew
	Rosales, Justin	Thompson, Matthew	Willert, Beau