

# Did a Flipped Classroom Flop?

## Experience after 7+ Terms

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# Today's Plan

1. **The Setting:** Course Details
2. **Flipped Classroom:** Description
3. **Instructor's (my!) Points of View**
  - a) Advantages
  - b) Disadvantages
4. **Students' Points of View**
  - a) Advantages
  - b) Disadvantages
5. **Thoughts**



# 1. The Setting: Course Details

- Courses:
  - ICS114 - Term 1: Algorithms and Programming (Java)
  - ICS124 - Term 2: Algorithms and Data Structures (Java)
- Resources – All online:
  - Interactive Textbook (zyBook)
  - Online Recorded Lectures
- College Scheduled Class Time per Week:
  - 3 hours "lecture" + 2 hours "lab"
  - all active work periods (ie no lecturing in class time)

## 2. Flipped Classroom: Description

- Before classes/labs:
  - Students **study** mini-lecture videos.
    - *short (maximum 30 minutes, most 15-20 minutes)*
    - *focused*
    - *lecture notes: PDFs*
- During classes/labs:
  - Students:
    - *work on assignments, online interactive textbook.*
  - Instructor:
    - one-on-one, one-on-a few help
    - class discussions of common problems
- Attendance (new this year)
  - "self-evaluated"

# 3. a) Instructor's (my!) Points of View : Advantages

- "feel good" teaching items:
  - lecture perfectionism
  - focus on helping rather than lecturing
  - student connections: check-ins
    - often heard: "How was your weekend?"
    - references
- other
  - no "performances"
  - illness, deferred tests/exams

## 3. b) Instructor's (my!) Points of View : Disadvantages

- recording lectures
  - big effort
- days full of problem solving
- "context switching"

## 4. a) Students' Points of View Advantages

- online survey + general comments
- flexibility:
  - lectures/studying on the go
  - in class: time management
  - custom pace
- instructor access
- instructor relationship

## 4. b) Students' Points of View Disadvantages

- online survey + general comments
- flexibility:
  - lectures/studying on the go
  - in class: time management
  - custom pace
- instructor access
- instructor relationship



# 5. Thoughts on Flipped

- interesting facts:
  - 14 week terms: 3 hours lecture per week = 42 hours
  - Flipped Lecture Totals
    - Term 1: 16 hours
    - Term 2: 17 hours
- works for me!
  - may not be for every instructor/course
- feedback survey: positive
- important to have variety in teaching styles
  - we are unique therefore need to teach with our strengths

