



INF[67]900E Lecture 7 – Productivity



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#### **Deliverables**

#### March 14<sup>th</sup> <- new deadline

- NSERC proposal, one page text, one page references
- Must fit NSERC presentation guidelines (see Moodle)
- Evaluated on structure and clarity, through peer review (due April 11th)

#### **Student Presentations (starting March 14th)**

- Six minute presentation plus four for Q/A
- PDFs due on day of your presentation
- Can use your computer (preferred) or PDFs on my laptop
- Will be evaluated during presentation

#### Talk Summary (due April 11th)

- Have three talks in class (Feb 29, March 21, April 4)
- Summary format on Moodle, at least one full page
- Evaluated based on detail of summary



## Last Lecture

1. Presenting



## This Lecture

- 1. Productivity
- 2. Guest Lecture by Amine Mhedhbi





# Productivity





### Definition of Productivity

Productivity = Output / Input (economics)

### Input

- Spend time effectively
- Spend effort effectively

### Output

Work on meaningful contributions

- Want to improve
  - Quality of time and effort spent
  - Quantity of time and effort (minimize wasted time and effort)



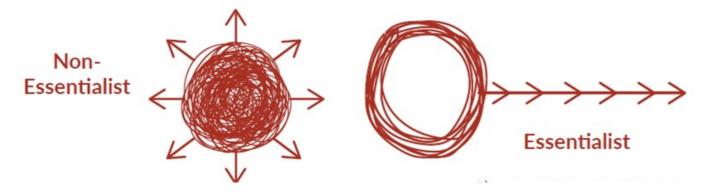


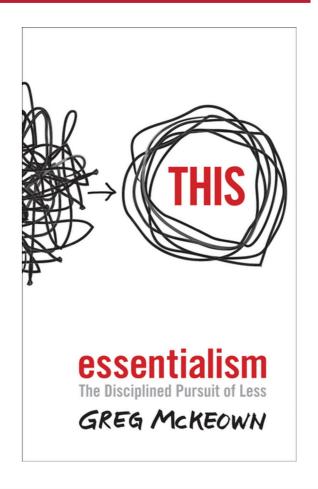
### Essentialism



### WHAT'S ESSENTIALISM?

= constantly defining where you can create the most value, then finding ways to execute it most effortlessly.









### Here, There, and the Steps Between

Here

• Where are you now?

Requires

- Self-examination
- Honesty

**There** 

Where do you want to go?

Requires

- Vision
- Clear goals

**Steps Between** 

What steps are from here to there?

Requires

- Planning
- Discipline

Bring increased awareness to your life





## Here, There, and the Steps Between Examples

#### Here

• Can walk 3k

- 1st year PhD
- Weak writer
- No topic defined

### **There**

### **Example: Running 5k**

• Can run 5k in < 1 hour

### **Example: Writing a Thesis**

- Two journal articles
- Industry collaboration
- Exciting topic
- Written thesis

### **Steps Between**

Couch to 5k program

Week	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
1	Rest	Run 1 min Walk 1 min Repeat x 10	Rest	Run 2 mins Walk 4 mins Repeat x 5	Rest	Rest	Run 2 mins Walk 4 mins Repeat x 5
2	Rest	Run 3 mins Walk 3 mins Repeat x 4	Rest	Run 3 mins Walk 3 mins Repeat x 4	Rest	Rest	Run 5 mins Walk 3 mins Repeat x 3

- 2025:
  - Read suggested papers
- 2026:
  - Start journal paper





# Here, There, and Steps Between





# Figuring Out 'There'

Where do you want to go? Or 'what do you want to do with your finite life?'

Years left in life: 65 years x 52 weekends per year = 3380 weekends left

Focus on meaningful outcomes

- Professionally, personally, "health, wealth, relationships"
- Examples: Become professor, write impactful article, learn French, raise healthy kids, run a marathon, practice painting every weekend...





# Figuring Out 'There'

#### How to choose?

- Align with your values (ambition, giving back...)
- What is your competitive advantage?
- What is your vision of your future life?
- What are others doing, and what resonates with you or not?
- Can't do everything

### How to define?

• SMART goals



#### **Specific**

The goal is concrete and tangible everyone knows what it looks like.



#### Measurable

The goal has an objective measure of success that everyone can understand.



#### **Attainable**

The goal is challenging, but should be achievable with the resources available.



#### Relevant

The goal meaningfully contributes to larger objectives like the overall mission.



#### **Timely**

This goal has a deadline or, better yet, a timeline of progress milestones.





## Figuring Out 'Here'

Where are you now?

What are you good at, bad at, what's the real situation?

**Example target: Writing a thesis** 

- Do you find writing easy? Why or why not?
- How much time do you have?
- What's standing in your way? What has held you back?
- Who's available to help?
- Do you procrastinate? Why? (Be honest)
- Do you have anything written? Do you have a topic?
- Do you have a competitive advantage?





## Figuring Out 'Here'

- How to figure this out
  - Detailed and honest examination
  - Self-examination is critical
  - And ask friends, supervisor, colleagues, therapist
- This is extremely difficult!
- Don't be hard on yourself
- Everyone is human and usually has imposter syndrome
- Try to remove emotions and look at situation objectively
  - Can require a therapist





## Steps Between

• Not this easy:







# Detail on Steps Between



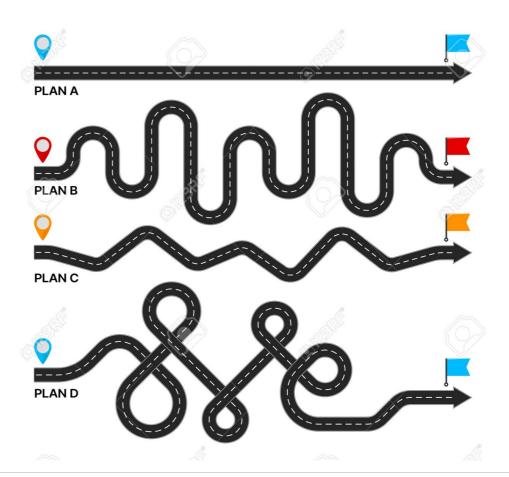


### Steps Between

- Life doesn't go 'A to B'
- But things that help:
- Breaking down path to concrete steps
- Iterate
- Remember why you're doing something

Relationships (personal & professional) are about expectations

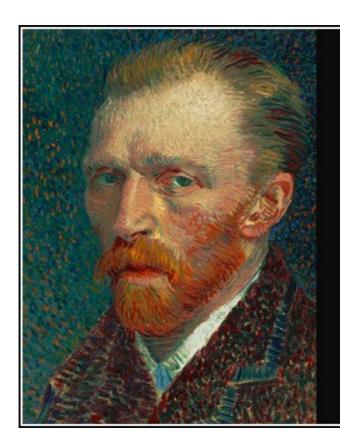
• Be explicit and communicate about them







## **Great Things**



The great things are not done by impulse, but by a series of small things brought together. And great things are not something accidental, but must certainly be willed.

— (Iincent (Ian Gogh —

AZ QUOTES





### Be Sustainable

- Life is made up of marathons, not sprints
- Be sustainable
- Keep your body and mind healthy
  - Exercise
  - Hydrate
  - Good sleep habits
  - Reduce social media
  - Be social with others



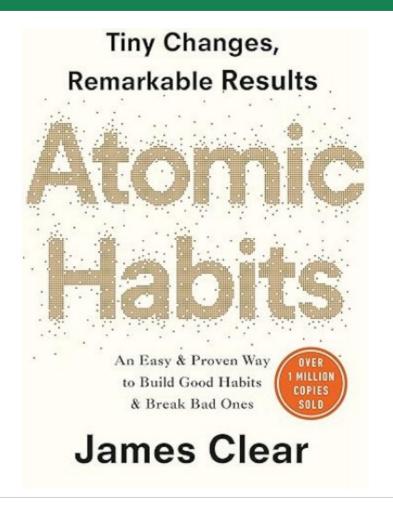






## Habits / Adjust Friction

- Make good habits/tasks easier to do
  - Example: Running shoes near door
  - Set small goals to get momentum
- Make bad habits harder to do
  - Example: Delete social media apps
- Analyze the environment to see what can change
  - Cleaner working area, better software, set your routine

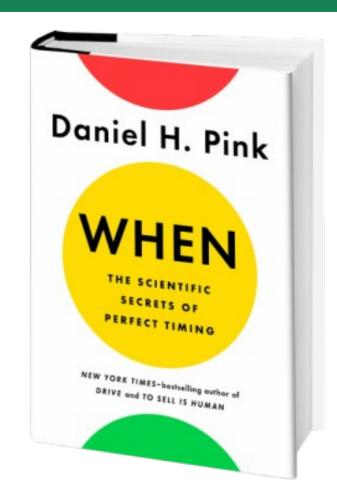






## Adjust Work Timing

- Best idea:
  - During the day, we are most productive at different times
  - When are you most efficient?
- Example:
  - No work before breakfast
  - Best work in morning
  - Easy work (emails) after lunch
  - One good hour in evening

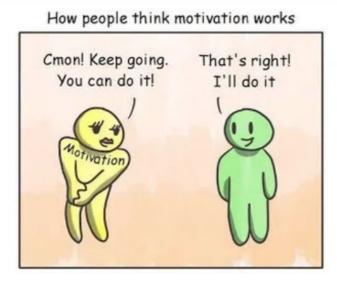






## Motivation vs Discipline

- Focus on consistency
- Practice doing it when you don't want to
  - You are human, and won't want to
- Discipline is what gets things done



How it actually works









# Time Planning





# Being a Robot

- You are human and not a robot
- But (when working) try to act like one
- Principles:
  - Get tasks out of your head
  - Know what you're doing next
- When executing:
  - Pick next task
  - Do task







### Getting Things Done

Step 1



CAPTURE

Capture anything that crosses your mind – nothing is too big or small! These items go directly into your inbox.

Step 2



CLARIFY

Process what you've captured into clear and concrete action steps. You'll decide if an item is a project, next action, or reference material.

Step 3



ORGANIZE

Put everything in the right place: Add dates to your calendar, delegate action items, file away reference materials, sort your tasks, and more.

Step 4



REVIEW

Frequently look over, update, and revise your lists. Do smaller daily reviews and bigger weekly ones.

Step 5



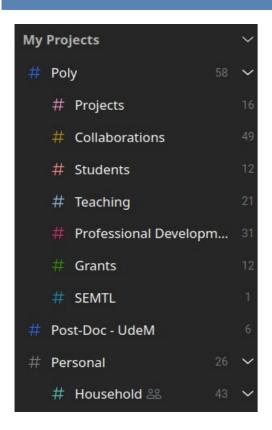
ENGAGE

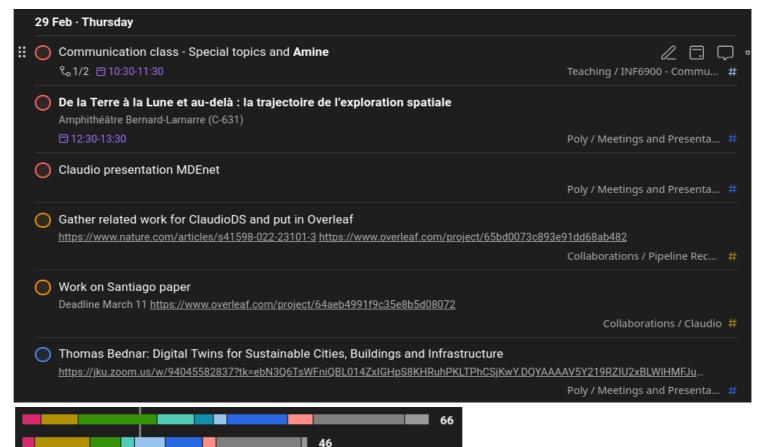
Get to work on the important stuff. Use your system to know exactly what to work on when.





### Todoist





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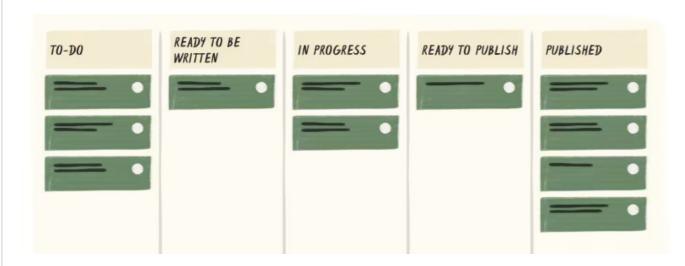




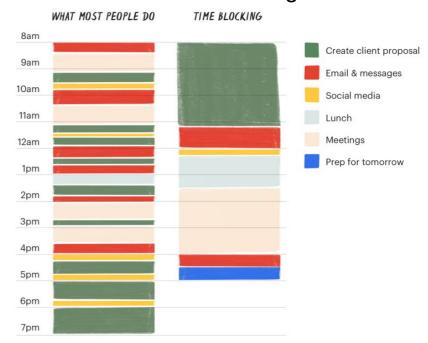
## **Productivity Methods**

https://todoist.com/productivity-methods

#### Kanban board



### Time blocking









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