

## Course Workflow

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Week-by-week rhythm of the course.

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# **Chapter 1**

## **At a glance (diagram)**

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# Chapter 2

## 0) Open your Project

Always begin inside your course **RStudio Project** (open the .Rproj). Projects keep paths stable and reproducible.

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# Chapter 3

## 1) Update the package each week

```
pak::pak("SIM-Lab-SIUE/mccoursepack") # get latest version  
library(mccoursepack) # load for this session
```

If a render fails with Quarto/TinyTeX errors, you can re-run:

```
mccourse_setup() # safe anytime; only installs missing pieces
```

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# Chapter 4

## 2) Pull this week's scaffold

```
list_weeks("mc451")           # or "mc501" to see available weeks
download_week("mc451", N, dest = ".")  # replace N with week number
open_week(N, dest = ".")          # optional: opens folder
```

This creates `./week_0N/`. Open the `.qmd` inside and click **Render** (PDF or HTML).

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# Chapter 5

## 3) Write your journal entry

At the end of each week, add a dated chapter to your **journal book**:

```
setwd("journal")          # go inside journal folder
source("scripts/new_journal_entry.R")
```

This creates entries/YYYY-MM-DD.qmd with three prompts. **Answer exactly one**, staying in your word range:

- **MC 451:** 250-300 words
- **MC 501:** 450-500 words

Then render the journal:

```
quarto render
```

Outputs appear under journal/\_book/.



# Chapter 6

## 4) Submit your work (GitHub)

Use RStudio's **Git pane** or the command line. Each week:

1. **Pull** to sync with GitHub
2. **Stage** the files you changed
3. **Commit** with a short message
4. **Push** to GitHub

Command line:

```
git pull
git add -A
git commit -m "Week N journal + assignment"
git push
```

□ **Journal note:** when you add a new entry, commit **both** the new chapter file and `journal/_quarto.yml`.

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# Chapter 7

## Quick checklist (each week)

- ☐ Open the **Project**
- ☐ Update package (`pak::pak("SIM-Lab-SIUE/mccoursepack")`)
- ☐ `download_week("mc451", N, dest = ".")`
- ☐ Do the assignment + add journal entry
- ☐ Render to PDF/HTML (and render the journal book)
- ☐ Stage → Commit → Push to GitHub

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### **i** Maintainers only

If you're editing the documentation site (site/):

```
quarto preview site      # live preview
git add -A
git commit -m "docs: expand troubleshooting & reference"
git push
```

GitHub Actions will render and deploy to Pages automatically.