

# CSUF Syllabus Workshop

GitHub Repository

Link

<https://github.com/dadams-AU/csuf-syllabus>



# Quick Start

## Option 1: Overleaf (Recommended for Beginners)

1. Go to [Overleaf](#) → login/create account
2. Upload repo OR clone from GitHub
3. Menu → Compiler → **LuaLaTeX** (not PDFLaTeX!)
4. Open `csuf_template/csucf_template.tex`
5. Click **Recompile** (3–15 sec)
6. Start customizing!

## Option 2: Local Installation (For Advanced Users)



```
1 git clone https://github.com/CSUF-MPA/csuf-syllabus.git
2 cd csuf_template
3 lualatex csuf_template.tex
```



# Repository Structure



```
1 csuf-syllabus/  
2 |— csuf_template/      # 📄 Ready-to-use template (START HERE)  
3 |— csuf_template_shell/ # 📋 Minimal shell for custom builds  
4 |— csuf_logo.png       # 🏢 CSUF logo (required)  
5 |— example/            # 📖 Example syllabus  
6 |— LICENSE  
7 |— README.md
```

# ✨ Key Features

- **CSUF branding + logo** → professional, compliant
- **Accessibility-ready** → PDF/UA tagging (required by CSUF)
- **Modern LuaLaTeX** → better font + unicode handling
- **Built-in structure** → standard syllabus sections included
- **Professional typography** → TeX Gyre fonts w/ fallbacks
- **Cross-platform** → Overleaf, Mac, Windows, Linux



# Quick Fixes (Local Compiling)

## Always

- Compiler: **LuaLaTeX** (not PDFLaTeX/XeLaTeX)
- Overleaf: Menu → Compiler = LuaLaTeX → Recompile
- Local installs: make sure TeX Live/MiKTeX is up to date

# Common Errors & Fixes

## **tagpdf-base.sty not found**

- Overleaf: already installed
- TeX Live: `tlmgr install tagpdf`
- Ubuntu/Debian: `sudo apt install texlive-fonts-recommended`
- Arch: `sudo pacman -S texlive-fonts-recommended`
- MiKTeX: enable *auto-install missing packages*
- MacTeX: Use TeX Live Utility to install tagpdf and tex-gyre

## **fontspec.sty not found**

- Install LuaLaTeX support
  - TeX Live: `tlmgr install fontspec`
  - Ubuntu/Debian: `sudo apt install texlive-luatex`
  - Arch: `sudo pacman -S texlive-luatex`
  - MacTeX: Use TeX Live Utility to install fontspec



## TeX Gyre fonts missing (fallback to Latin Modern)

- TeX Live:

```
tlmgr install tex-gyre tex-gyre-math
```

- Ubuntu/Debian: `sudo apt install fonts-texgyre`
- Arch: `sudo pacman -S tex-gyre`
- MacTeX: Use TeX Live Utility to install tex-gyre

## Other weird errors

- Update TeX Live/MiKTeX
- Double-check compiler = **LuaLaTeX**
- If stuck → just use Overleaf



# Quick Commands (local only)



```
1 # check if tagpdf is installed
2 kpsewhich tagpdf-base.sty
3
4 # check if TeX Gyre is installed
5 kpsewhich texgyretermes-regular.otf
```



# Technical Requirements

- **LuaLaTeX** compiler only
- Packages: `tagpdf`, `pdfmanagement-testphase`, `fontspec`, `tex-gyre`
- Keep `csuf_logo.png` in template directory

**Install packages quickly:**

```
1 tlmgr update --self --all
2 tlmgr install tagpdf tex-gyre tex-gyre-math fontspec
```



# Troubleshooting Flowchart



```
1 Compile fails?
2 |— LuaLaTeX?
3 |   |— No → Switch to LuaLaTeX
4 |   |— Yes → Continue
5 |— On Overleaf?
6 |   |— Yes → Should work (contact support)
7 |   |— No → Local troubleshoot
8 |— Missing tagpdf?
9 |   |— tlmgr install tagpdf
10 |   |— Still fails → Use Overleaf
11 |— Font errors?
12 |   |— tlmgr install tex-gyre tex-gyre-math
13 |   |— Still fails → Fallbacks work
14 |— All else fails → Use Overleaf
```



# Customization

- Replace [ COURSE CODE ], [ COURSE TITLE ], etc.
- Update instructor info, schedule, policies
- Add/remove sections as needed
- Fallbacks → still compiles if some fonts/packages missing



# Why Accessibility Matters

- Screen reader compatibility
- ADA/CSUF compliance requirement
- Searchability & future-proofing

👉 **Not optional:** CSUF requires syllabi be accessible.



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# Contact

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For questions or workshop support.