3 COURSE 3 · STUDENT HANDOUT

Platform Training

Three deployed Power Platform builds in four hours — centaur, cyborg, and your own problem.

DURATION 4 hr (2 breaks)
AUDIENCE Builders
PREREQ Course 2 + M365

0:00–0:30	0:30–1:30	1:30–1:45	1:45–2:45	2:45–2:55	2:55–3:55	3:55–4:00
M1 Setup & Mode Refresher 30 MIN · TALK	**M2 Build #1 · Centaur** 60 MIN · BUILD	**Break + Failure share** 15 MIN	**M3 Build #2 · Cyborg** 60 MIN · BUILD	**Break** 10 MIN	**M4 Build #3 · Your Problem** 60 MIN · BUILD	**M5 Frontier Map & Wrap** 5 MIN

BRING WITH YOU

Done before you walk in

- **Course 2 prototype** with notes on what worked, what didn't, and one **failure case**. Failure-sharing is the first 10 minutes after Build #1.
- **Power Platform access verified.** Sign in to Power Apps, SharePoint, and Power BI on your laptop *before* the session. Test creating a one-row list.
- **AI tools.** GenAI.mil or CamoGPT for any CUI work. ChatGPT / Gemini OK for non-CUI exercises.
- **Build #3 problem statement** ready in your head: one sentence on tool + user. You will declare it out loud at 2:55.
- **Your frontier sticky.** You will add a real, specific row to it during Module 5.

KEY TERMS

The vocabulary you'll hear today

- ☐ **Phase boundary (centaur)**
  A non-negotiable checkpoint between design, build, and verify. You cross only when the previous phase is complete and signed.
- ☐ **Whiteboard first**
  Every business rule, data flow, and edge case written down *before* AI runs a single prompt. Centaur opener.
- ☐ **Cyborg pivot**
  A mid-build moment when you throw out the data model AI helped you start with and rebuild — on purpose. Discovery in action.
- ☐ **The declaration**
  Build #3 only: state out loud the tool, the user, the mode (with reason), and two specific frontier risks before you open the platform.
- ☐ **Frontier recognition**
  Catching a wrong AI answer fast enough to course-correct in the same prompt — not three prompts later.
- ☐ **Deliberate failure**
  A point in the build where AI is known to give wrong instructions. You let it happen so you learn to spot it.

EXERCISES IN CLASS

Three deployed builds — what each asks of you

Build #1 · Centaur (60 min) — Request Routing. Submit → auto-route by dollar amount → approver decides → requester notified. SharePoint list + Power App form + Power Automate flow. *Phase 1 (10 min) is whiteboard only — no AI. Done:* $400, $1,200, and $3,000 test requests each route correctly and the right notification fires. Bonus: 48-hr approver timeout escalates.

Failure share (10 min, post-Build #1). Bring one failure case from your Course 2 prototype to the room. We capture the patterns — specific is better than tidy.

Build #2 · Cyborg (60 min) — Training Tracker. "See which Marines have completed which training." SharePoint list, input form, Power BI dashboard with conditional formatting, calculated days-until-due. *You will restructure the data model mid-build — that is the point. Done:* a dashboard that colour-codes status across five training events, and you can explain *why* you reshaped the data.

Build #3 · Your problem (60 min) — Declare first. One sentence: tool type + user. One mode + why. Two specific frontier risks. *If you can't name two specific risks, revise before you start. Done at 3:45:* the simplest version of your tool runs against real input, and you can defend the mode choice.

M5 · Frontier map update (5 min). Add one new row to your unit's frontier map from today. *Done:* one specific task, one specific failure mode, one specific re-test trigger.

> **ANCHOR PHRASE** The boundary between you and the AI is a tool. Pick the right one for the problem.

WHAT YOU'LL BE ABLE TO DO

By the end of the session

- Build a Power Platform tool in **centaur mode** with verification at every phase boundary.
- Build a Power Platform tool in **cyborg mode**, including a deliberate data-model pivot.
- Choose between modes for your own problem, defend the choice, and ship in 60 minutes.
- Recognise a wrong AI answer fast enough to course-correct in the same prompt.
- Add a real, specific row to your unit's frontier map.

HOMEWORK

Required to attend Week 4 Advanced Workshop

- **Finish Build #3** to deployable state — users can open it and complete the core action.
- **Run it through the EDD SOP QA process.** Don't skip the verification checkpoints — they are the entry ticket.
- **Document three specific failure cases** you encountered while finishing. Log them on the shared frontier-map doc.
- **Identify one capability surprise** — somewhere AI performed better or worse than you expected.
- **If you get blocked,** contact the program lead before Week 4. We'd rather unblock you than have you skip the workshop.