TeachBSD

To address the need for teaching systems fundamentals, we've created a multi-level course using FreeBSD to provide students the ability to observe, at run time, the inner workings of one of the more complex systems they will come across, the operating system itself.

These courses are applicable to both University students and practitioners of software engineering.

teachbsd.org
github.com/orgs/teachbsd

Teaching Operating Systems with Tracing provides students with:

• A clearer understanding of how such systems ought to work in theory.

• How systems work in practice.

• How to design experiments to discern the difference between the two.

• Hands-on experience analyzing operating systems on VMs and embedded boards.

freeBSD®

Previous and Current Courses Include:

Masters

- L41 at University of Cambridge, 2015-2016

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Undergraduate

- Part I.B Concurrent and Distributed Systems: Case study: FreeBSD kernel concurrency at University of Cambridge, 2015-2016 (1 lecture)

- Introduction to Operating Systems with Tracing

Practitioner

- A Look Inside FreeBSD with DTrace

The preferred text for the course is *The Design and Implementation of the FreeBSD Operating System, 2nd Ed*.

teachbsd.org

All of our materials are under an open-source license and are available in our github repo.

https://github.com/teachbsd

Interested in bringing TeachBSD to your university?

Have ideas on how to expand the materials?

Contact us!
info@teachbsd.org

TeachBSD is supported in part by: