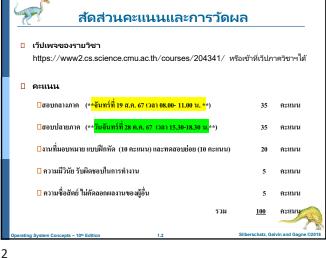
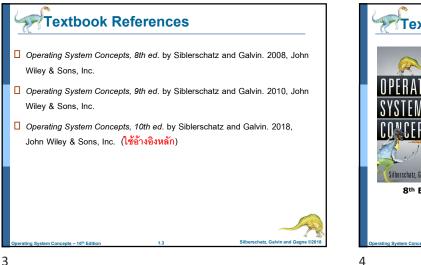
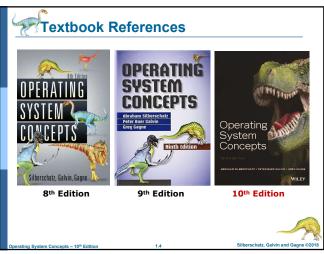
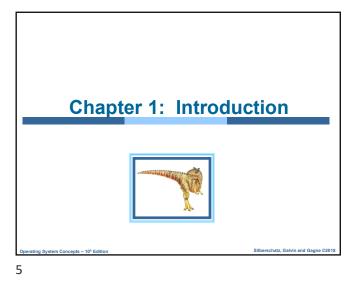
CS204341- Operating Systems 🛛 เว็ปเพลของรายวิชา ระบบปฏิบัติการ 🛛 ดะแนน Sec.001 Varin Chouvatut (รศ.ดร.วาริน เชาวทัต) Office: CSB109 Email: varin.ch@cmu.ac.th Sec.002 Worawut Srisukkham (อ.ดร.วรวุฒิ ศรีสูบคำ) Office: CSB107 Email: worawut.s@cmu.ac.th 🛙 ความมีวินัย รับผิดชอบในการทำงาน 🛛 ความชื่อสัตย์ ไม่คัดลอกผลงานของผู้อื่น **Department of Computer Science** Faculty of Science Chiang Mai University 1

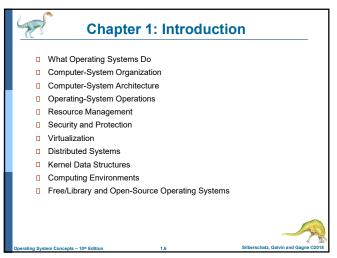


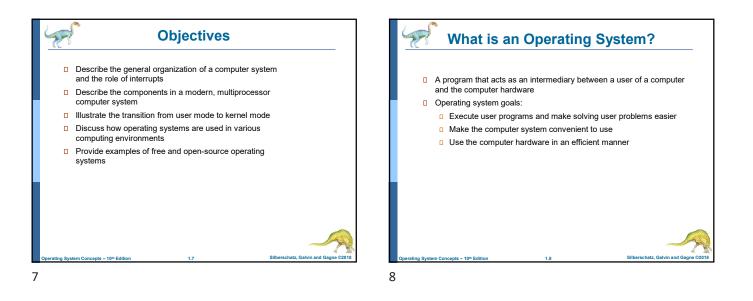


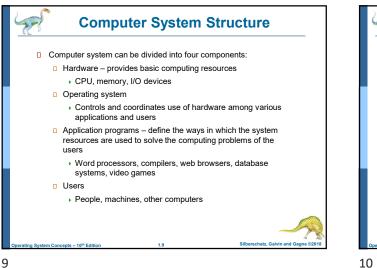


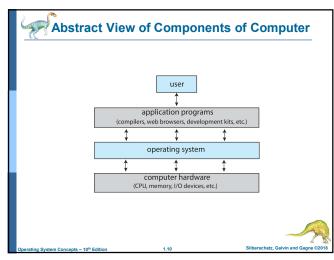


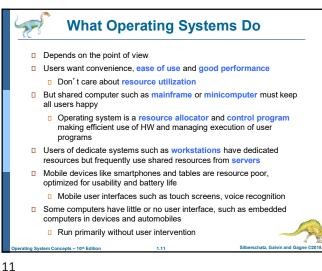


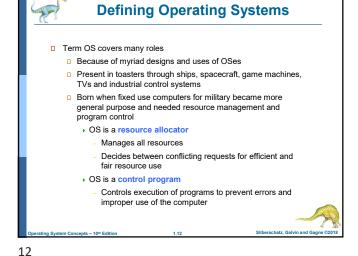




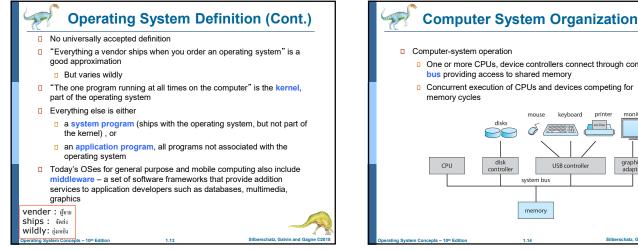


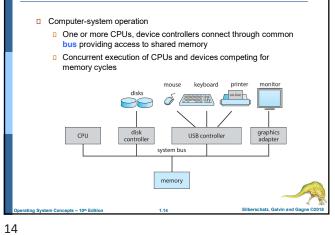


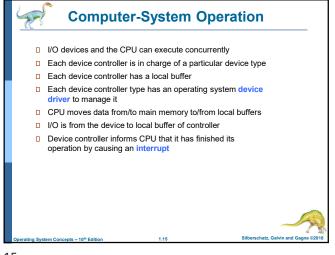


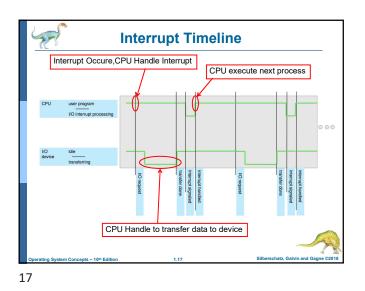


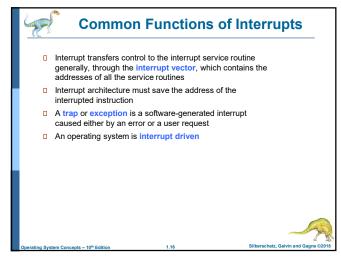
ภาควิชาวิทยาการคอมพิวเตอร์ คณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่

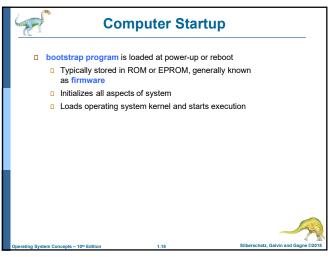




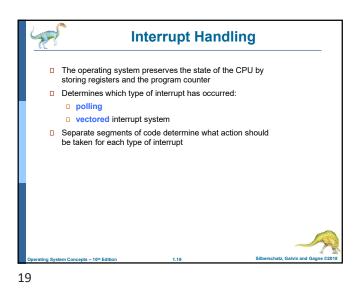


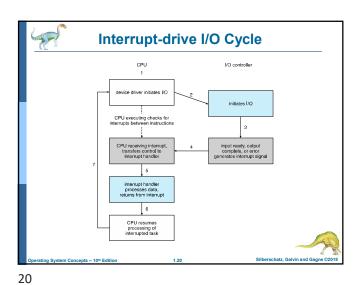


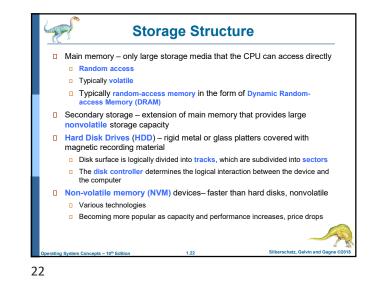


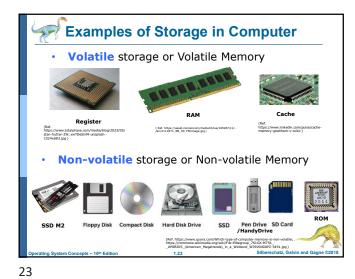


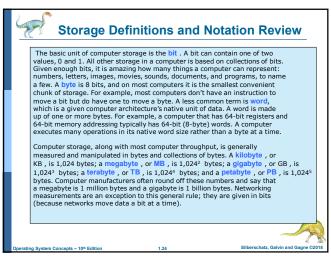






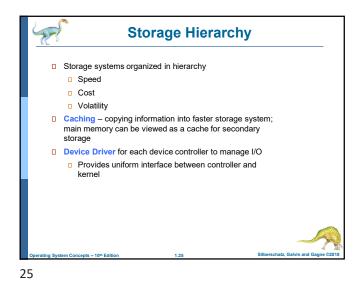


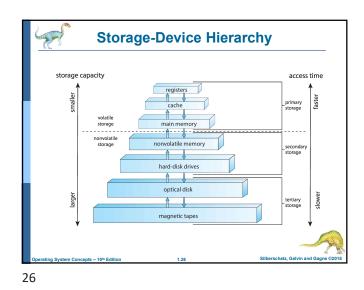






21





Direct Memory Access Structure

Used for high-speed I/O devices able to transmit information at close to memory speeds

storage directly to main memory without CPU

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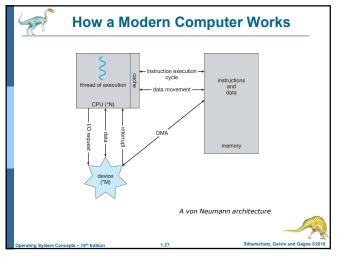
intervention

the one interrupt per byte

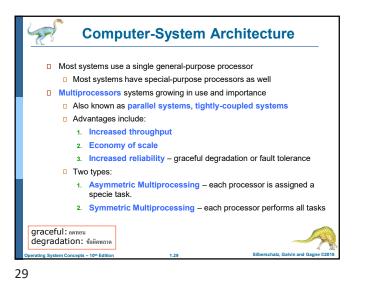
intervention: ເຈົ້າແທຮຄຄາຮທຳຈານ

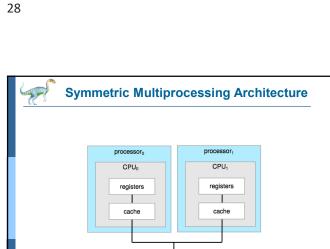
Device controller transfers blocks of data from buffer

Only one interrupt is generated per block, rather than

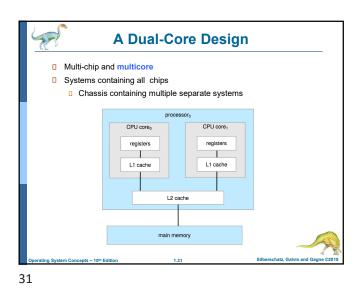


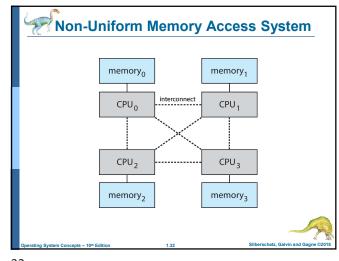
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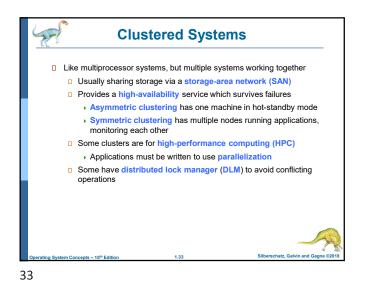


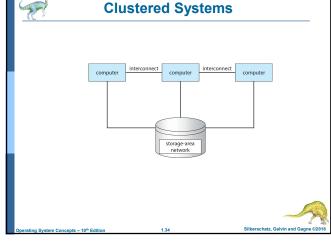


main memory





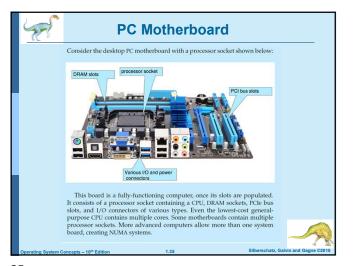


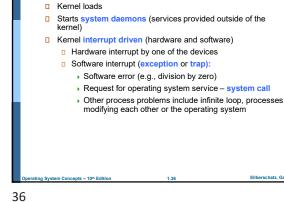


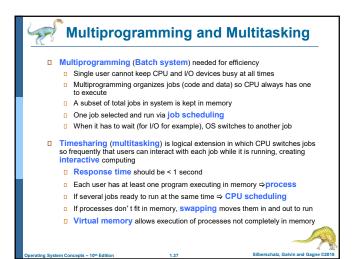
Operating-System Operations

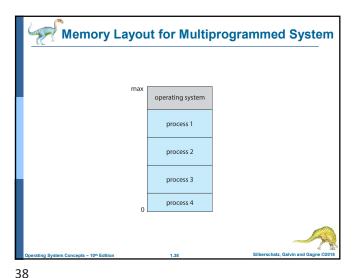
Bootstrap program – simple code to initialize the system, load the kernel

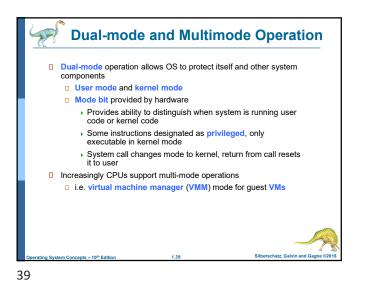
34

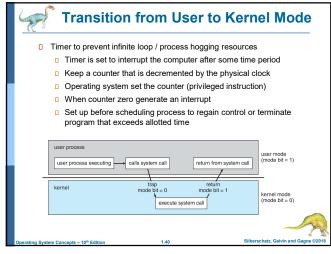




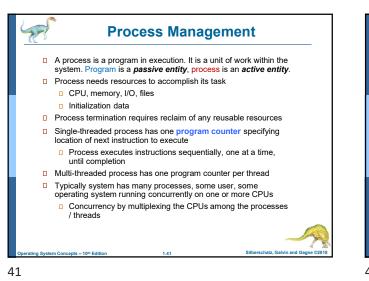


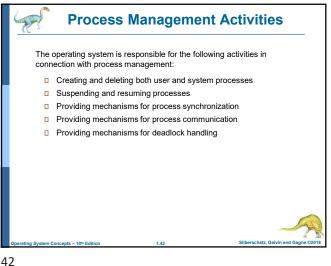


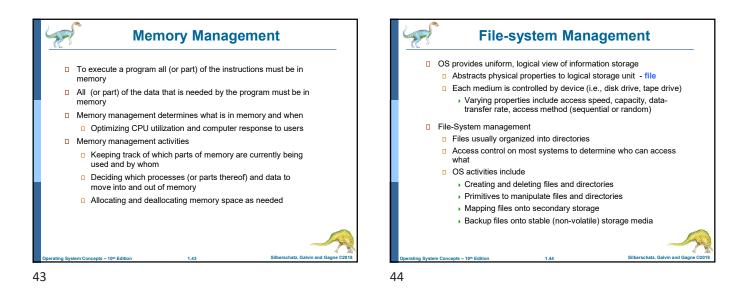


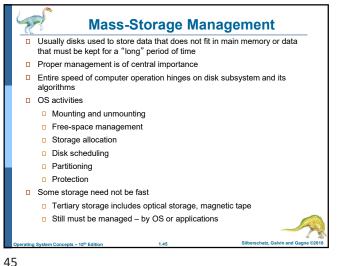


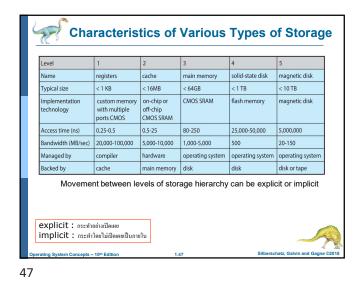


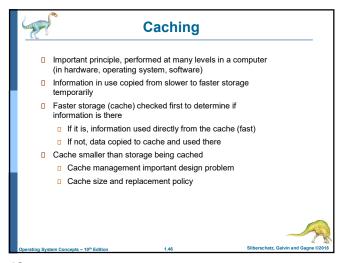


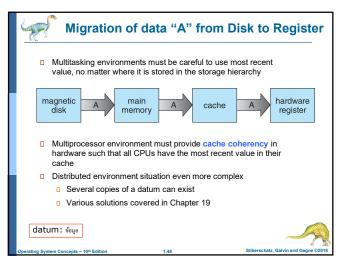




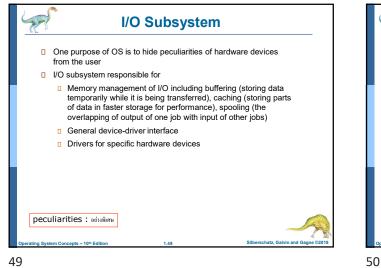




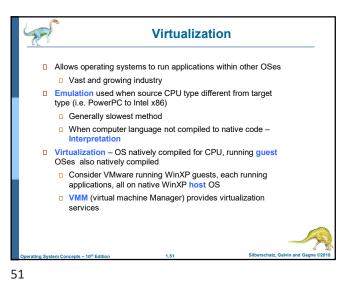


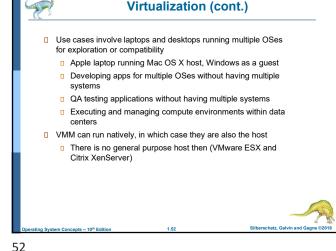


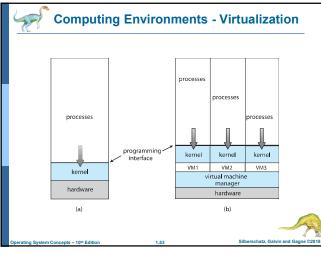


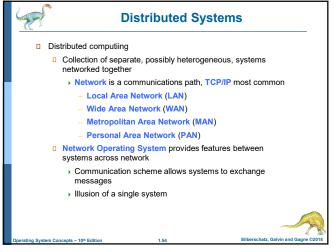




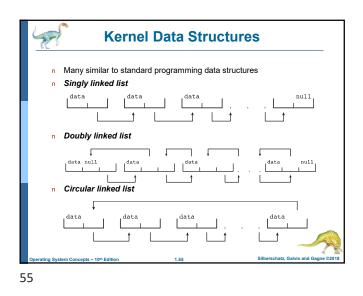


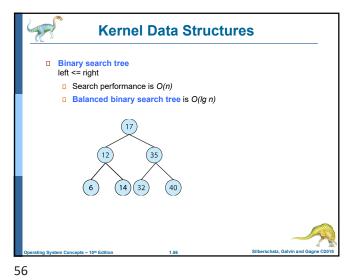


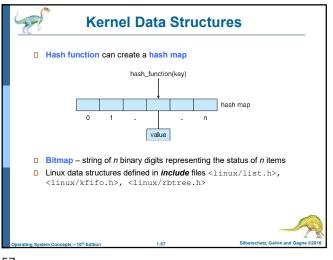




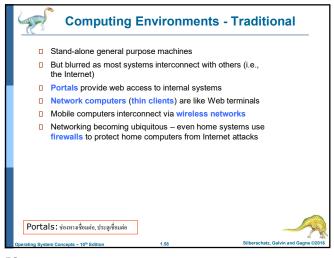




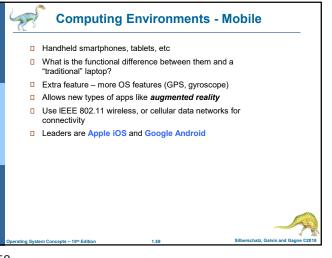


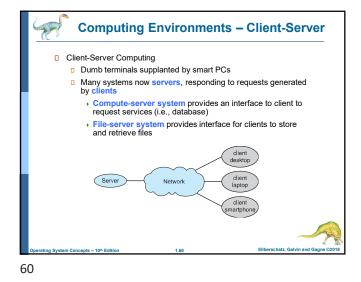


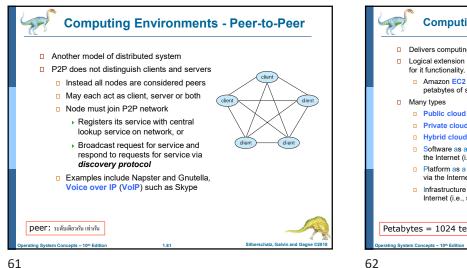
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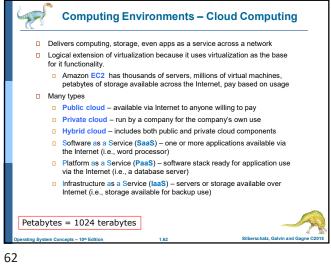


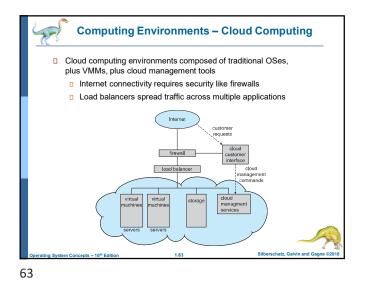


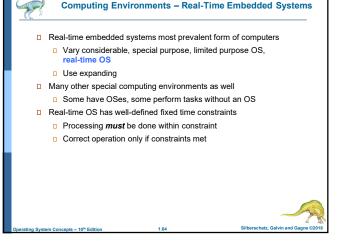


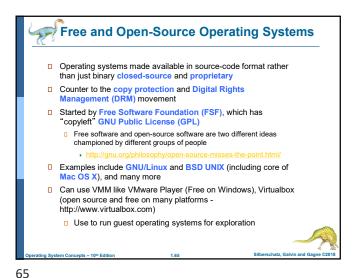


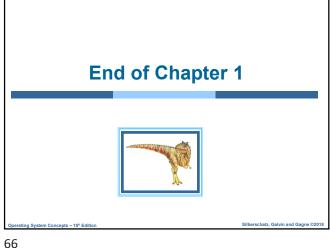














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