NETWORK   STORAGE

School of Software,BUAA
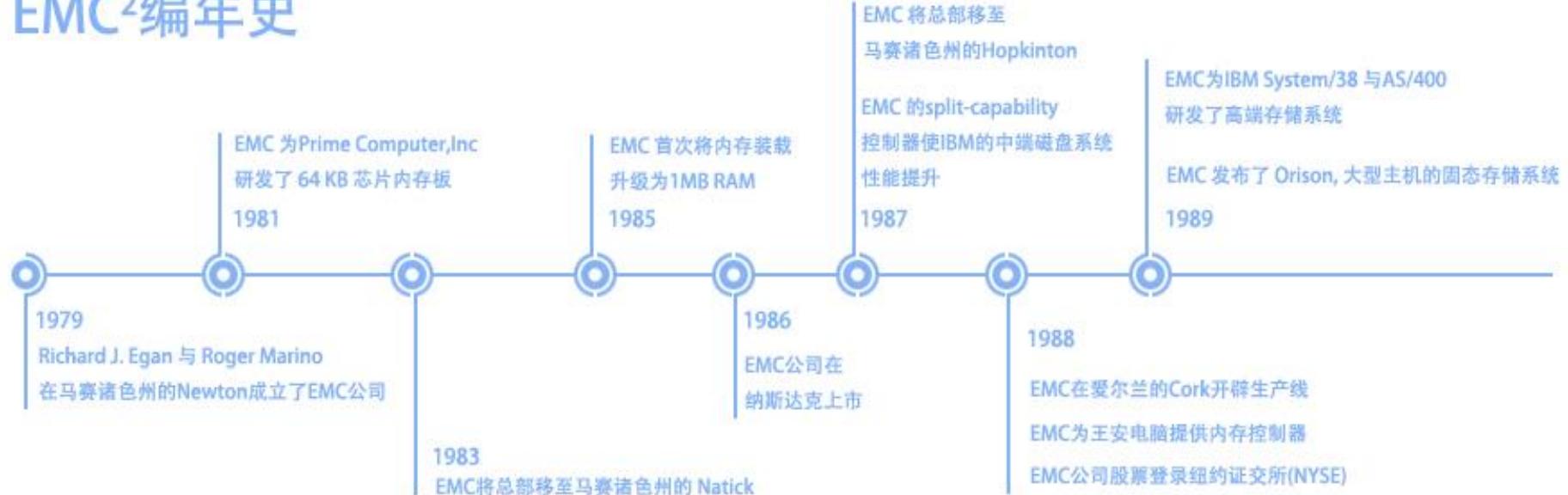
路新喜

luxinxi@buaa.edu.cn

Course Introduction

一个存储巨头

EMC² 编年史

EMC 为 Prime Computer,Inc
研发了 64 KB 芯片内存板
1981

EMC 首次将内存装载
升级为1MB RAM
1985

EMC 将总部移至
马赛诸色州的Hopkinton

EMC 的split-capability
控制器使IBM的中端磁盘系统
性能提升
1987

EMC为IBM System/38 与AS/400
研发了高端存储系统

EMC 发布了 Orison, 大型主机的固态存储系统
1989

1979
Richard J. Egan 与 Roger Marino
在马赛诸色州的Newton成立了EMC公司

1986
EMC公司在
纳斯达克上市

1988
EMC在爱尔兰的Cork开辟生产线
EMC为王安电脑提供内存控制器
EMC公司股票登录纽约证交所(NYSE)

1983
EMC将总部移至马赛诸色州的 Natick

2013年11月22日市值
349亿美元

Purpose

Course Objectives 1

Upon completion of this course, you will be able to:

- Describe the challenges found in today's complex information management environment.

- Describe storage technology solutions (such as DAS, NAS, SAN).

- Describe the key business drivers for storage: Information Availability and Business Continuity.

- Describe common storage management roles and responsibilities.

Course Objectives 2

- Upon completion of this course, you should be able to:
- Explain the phases of transition from classic data center to virtual data center and then to the **Cloud**
- Describe virtualization technology at compute, storage, network, desktop, and application layers of IT infrastructure
- Describe business continuity solutions in a **VDC** environment
- Explain the key characteristics, services, and deployment models of Cloud
- Describe the Cloud infrastructure components and service management processes
- Describe the Cloud security concerns and solutions
- List the key considerations for migration to the Cloud

Others ***

- 平时作业（20%）+ 考勤成绩（10%）
- 存储实验（30%）；
- 课程设计综合报告（40%）；
  课堂活跃加分；
- 以英文讲义为主
- 参考书：
  英文版　《Information Storage and Management》
  中文版　《信息存储与管理》人民邮电出版社，
  　　　　G.Somasundaram Alok Shrivastava 著
  　　　　《大话存储》张东，清华大学出版社。