

MIS 5206
Protection of Information Assets
- Unit #1a -

Case Study: Snowfall and a stolen laptop

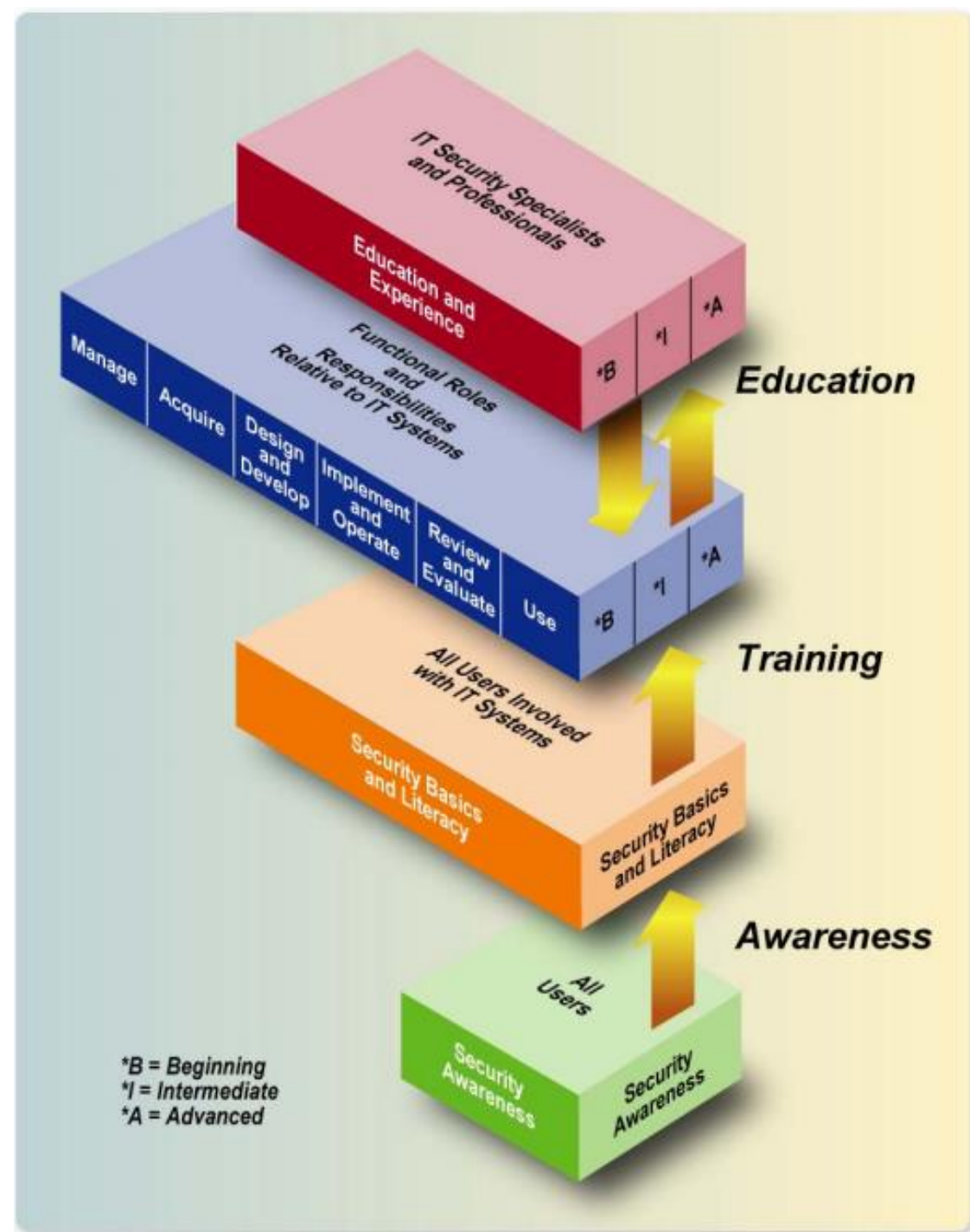
Agenda

- Introductions
- Case study analysis
- Test taking tip
- Quiz

Introductions

- Who are you ?
- Why do you want an Master of Science degree in IT Auditing?
- What concerns do you have about becoming an IT Auditor?

How do we learn about information systems security?



Case study: “Snowfall and a stolen laptop

Discussion topic 1

Discuss the question below with the others on your team, then have one team member ready to share your team’s answer to the question in class:

You are Ash Rao, Dean of the Saunders College of Business. On Sunday evening, instead of spending a few hours reviewing documents in preparation for some important meetings this week, you had an unpleasant surprise when that a thief entered your house and stole your laptop – presumably while you were shoveling the front walk!! Well, at least Dave Ballard saw the email you sent from your Blackberry.

- ***Given everything you know about yourself (Ash Rao) what would be the ideal way for this unpleasant situation to be handled?***

Case study: “Snowfall and a stolen laptop

Discussion topic 2

Discuss the question below with the others on your team, then have one team member ready to share your team’s answer to the question in class:

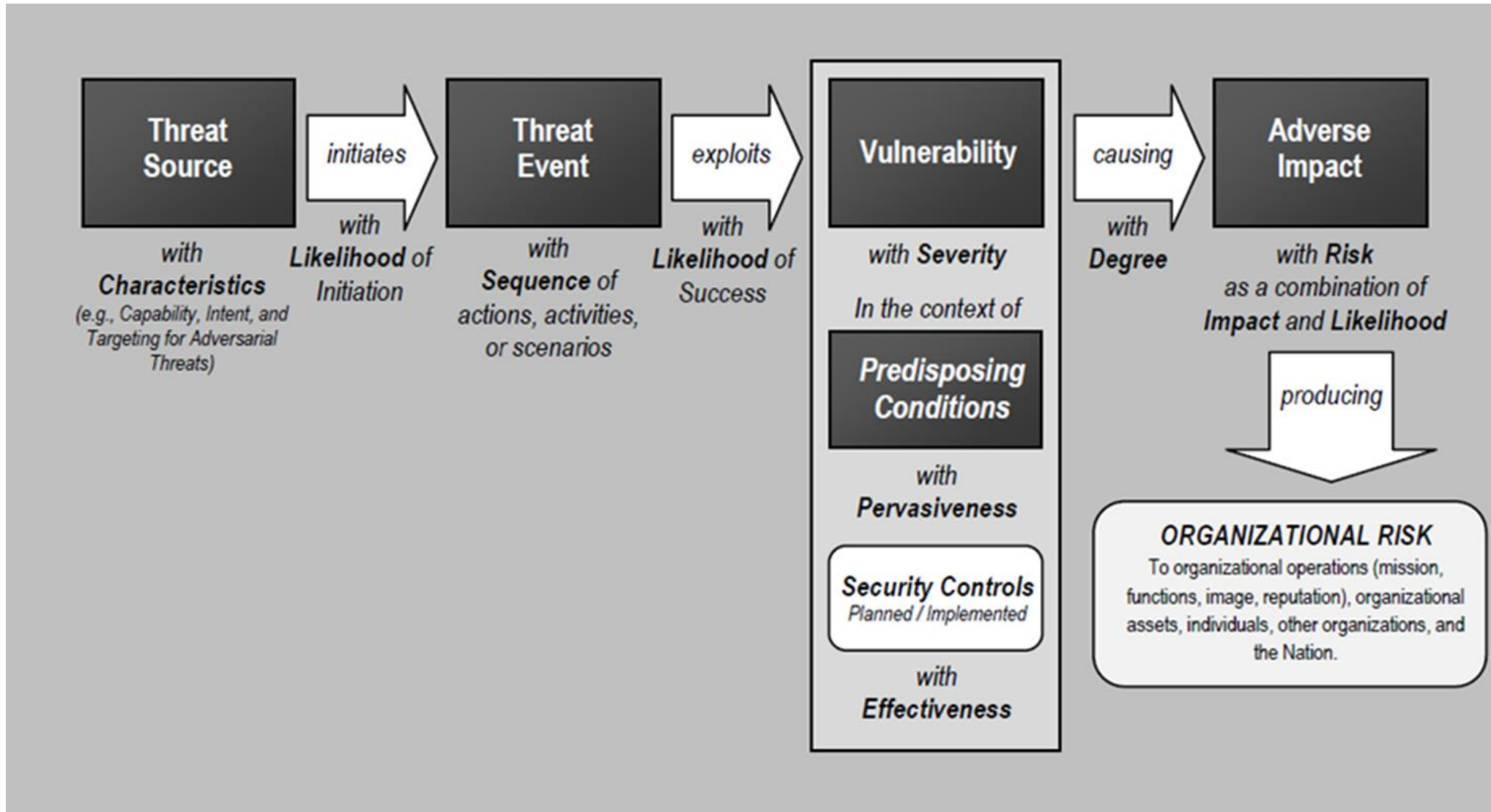
You are Dave Ballard, Network Administrator at the RIT Saunders College of Business (COB). On Sunday evening COB Dean, Ash Rao informed you that his Rochester NY house was broken into and his laptop stolen. Poor Ash! You delivered a laptop to his office the next morning at 9:30.

- Given everything you know about yourself (Dave Ballard) and Ash Rao from reading the case, how effective was your response to this incident? What else could you have done?***

Case study: “Snowfall and a stolen laptop Discussion topic 3

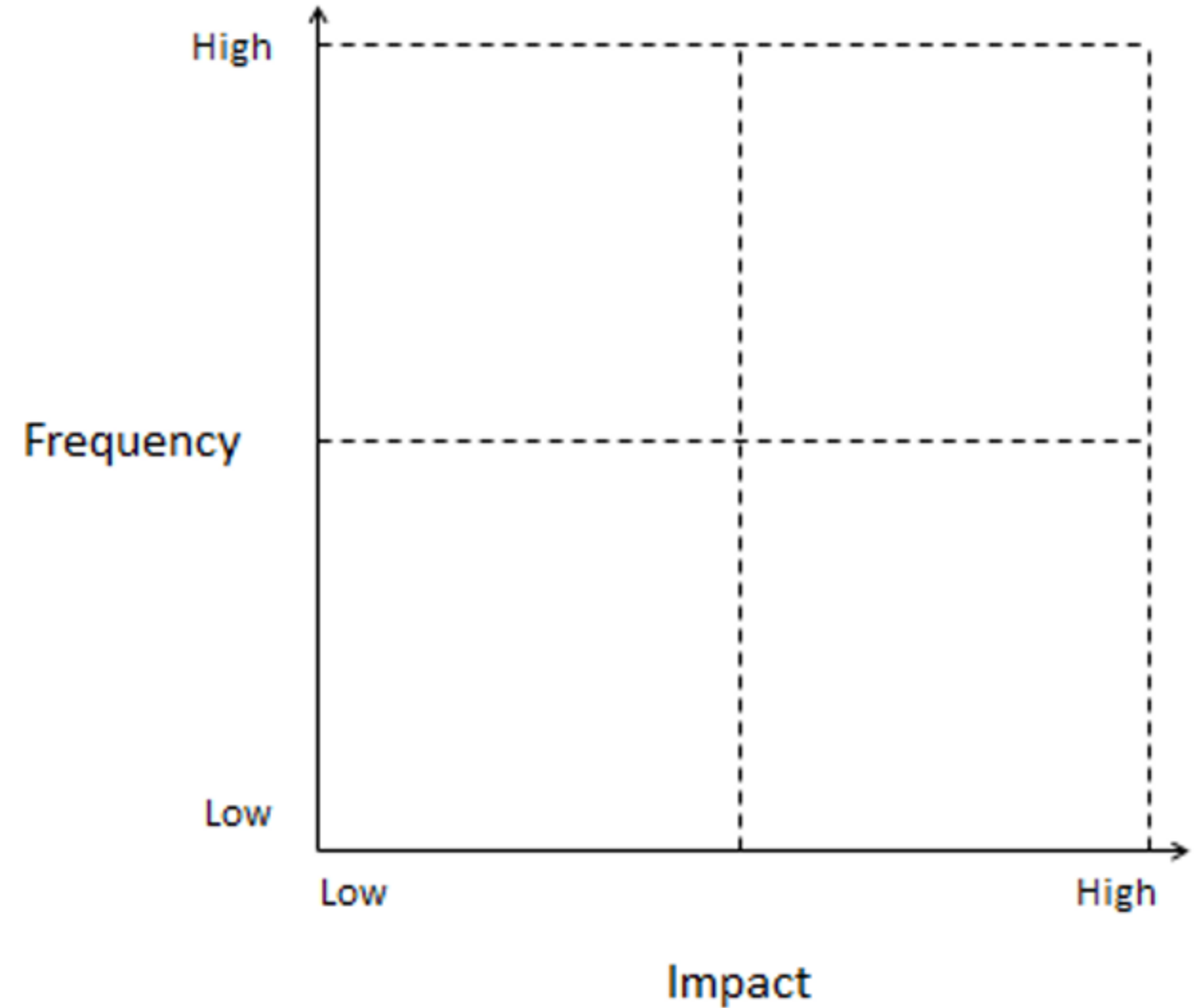
***Who else at RIT is concerned with this stolen laptop incident?
What are their concerns?***

Select a stakeholder, analyze the stakeholder's concerns using this model



Organize and present the risks

Risk	Impact	Frequency



Case Study epilogue and wrap-up



Saunders College of Business

Rochester Institute of Technology (RIT)



Ashok Rao



Janis Gogan • 3rd

Professor at Bentley U and President at Cases for Action
Bentley University • Harvard University

Greater Boston Area • 274 

Test Taking Tip

- Read the answers first -

This contradicts many people's test taking recommendations...

...but, it works. Here's why:

- Quickly alerts you to the type of question to expect
- Focuses your attention in reading the question for meaningful information
- Gives you advanced warning that there may be more than one significant concepts (option to answer in the form "Both A & B")
- Gives you an opportunity to get a sense of the sort of answer the test maker is looking for
- There may be more than one valid answer, but the test maker may be looking for "best mitigation for the situation" or "least risk in the situation"

Test Taking Tip

Example:



- A. Transaction authorization
- B. Loss or duplication of EDI transmissions
- C. Transmission delay
- D. Deletion or manipulation of transactions prior to or after establishment of application controls



Test Taking Tip

Example:

Which of the following represents the GREATEST potential risk in an Electronic Data Interchange (EDI) environment?

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- B. Loss or duplication of EDI transmissions
- C. Transmission delay
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Answer: A

Quiz

1. Which of the choices below is the most often used criteria to determine the classification of a business object?
 - a. Value
 - b. Useful life
 - c. Age
 - d. Personal association

Quiz

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Quiz – Week 2

2. Which of the below definitions is the best description of a vulnerability?
- a. A weakness in a system that could be exploited
 - b. A company resource that is lost due to an incident
 - c. The minimum loss associated with an incident
 - d. A potential incident that could cause harm

Quiz – Week 2

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Quiz – Week 2

3. Which statement below best describes the purpose of risk analysis?

- a. To develop a clear cost-to-value ratio for implementing security controls
- b. To influence the system design process
- c. To influence site selection decisions
- d. To quantify the impact of potential threats

Quiz – Week 2

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Quiz – Week 2

4. What is an ARO?

- a. A dollar figure assigned to a single event
- b. The annual expected financial loss to an organization from a threat
- c. A number that represents the estimated frequency of an expected event
- d. The percentage of loss that would be realized for a specific asset if a threat occurred

Quiz – Week 2

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Quiz – Week 2

5. Which group represents the most likely source of an asset loss through inappropriate computer use?

- a. Crackers
- b. Hackers
- c. Employees
- d. Saboteurs

Quiz – Week 2

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