



# Education in Flow Analysis

**Timothy J. Shimeall, Ph.D.**  
**CERT/NetSA**  
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# Outline

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Motivation

Professional Education

Undergraduate Education

Graduate Education

# Motivation

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## Integration of flow into curricula

- Traditional subjects
- Flow practice
- Flow research

## Integration of flow education efforts

- Professional
- Academic

# Professional Education -- Traditional

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Goal: allow network analysts to use flow-based tools and methods

Teaching approach: (local or distance)

- Tool driven
- Task driven
- Network driven

Issues:

- Avoiding overload
- Meeting needs at varying levels of proficiency
- Meaningful exercises

# Professional Education -- Integrated

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Goal: Introduce flow as means of illustrating other topics of interest.

- Network Administration
- Network Protocols
- Network Design

Teaching approach:

- Illustration-based (not tools, results)
- Method-based (procedure and results)

Value:

- Integration of security and practice
- Illustration from live traffic (probably anonymized)

Issues:

- Time
- Distraction factor

# Undergraduate Education

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## Integrated

- Operating systems or network courses
- Analogous to professional integrated courses

## Special Topics

- Training analysts
- Leading in to research

## Issues:

- Scope and Sequence
- Direction

# Graduate Education

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Integrated

Practicum

Lecture/Lab

Seminar

# Summary

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Range of Options

Contributions

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