

The Science of Learning

NOVA LLI

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Notes from Session 4: How to Achieve Mastery

Introduction

Questions from previous sessions:

- The effect of stress on implicit learning

- The tip-of-the-tongue phenomenon

Today's session:

- How experts differ from novices

- The path to mastery

How Experts Differ from Novices

More knowledge

Better organization of knowledge

How Experts Differ from Novices

Better pattern recognition

More fluid performance

Better transfer between contexts

How Experts Differ from Novices

Blind spots

Can't transfer expertise to other domains

The Path to Mastery

Learning component skills

Integrating components

Applying integrated skills

The Path to Mastery

- Deliberate practice

Q & A

Locations for session notes, bibliography, and related documents:

- LLI web site course folder
- Bob's Google drive: <https://tinyurl.com/SOL-LLI>