

INSTITUTE OF PSYCHIATRY, PSYCHOLOGY & NEUROSCIENCE

Module:

Psychological Foundations of Mental Health

Week 3:

Introduction to emotion and emotional processing

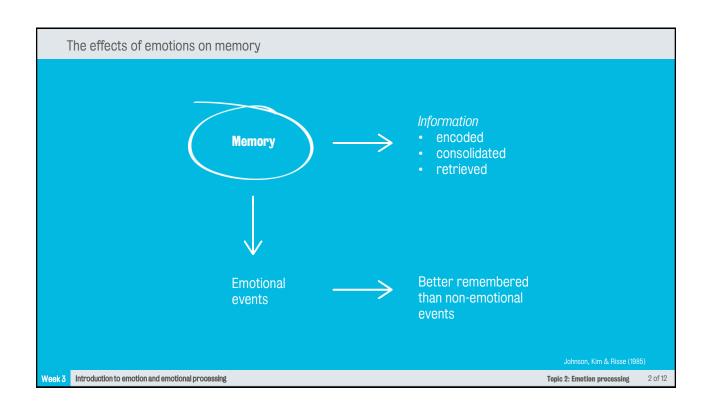


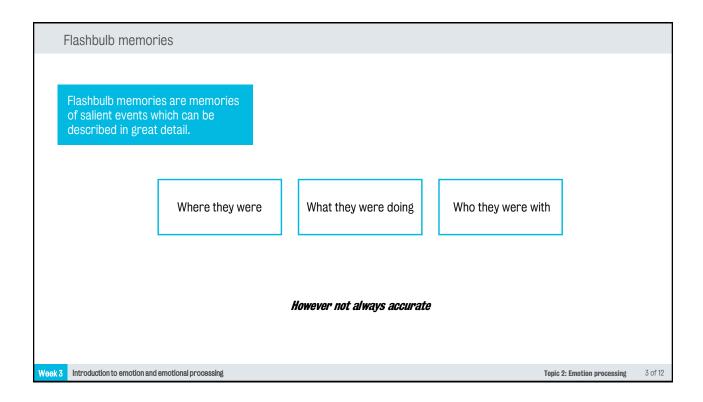
Dr Jennifer Lau

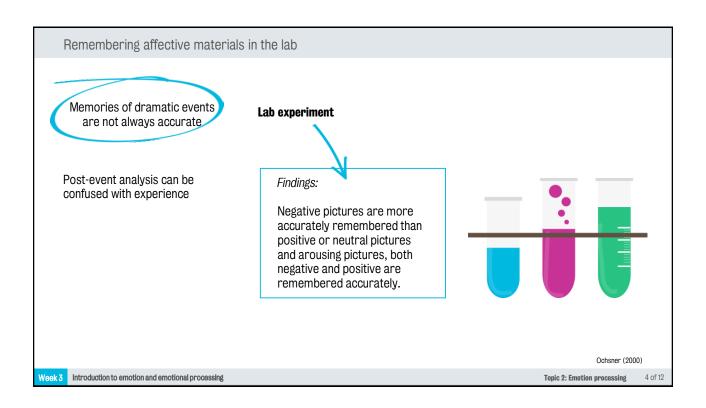
Topic 2:

Emotion processing: bottom-up effects of emotions on cognitive processes

Part 3 of 3





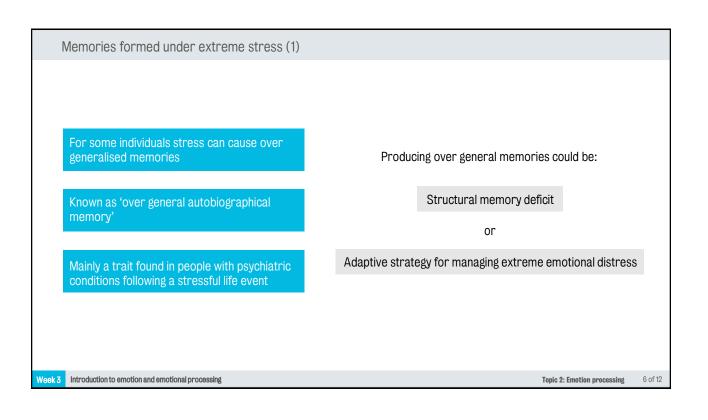


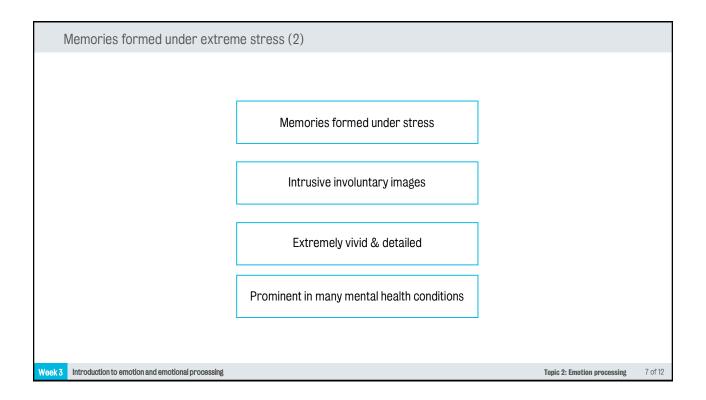
Topic 2: Emotion processing

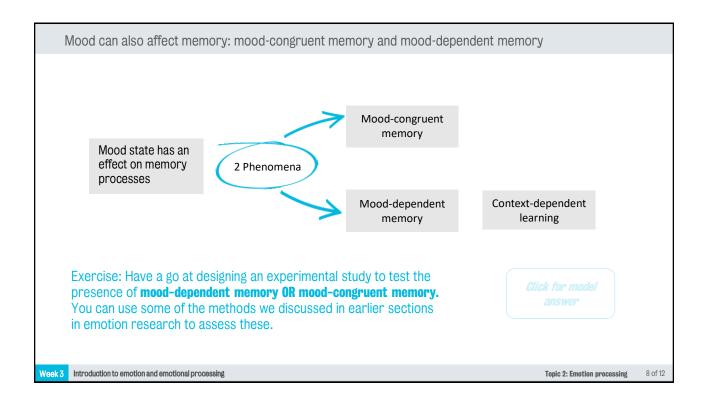
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How do emotions affect memories? • Stress hormones affect memory retention • Emotional arousal can narrow attention • Participants spend a greater deal of attention on the weapon than the face of the offender 'Weapon focus' effect

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Model answer



Mood-dependency

To test mood-dependency, remember that mood must be the same at retrieval and encoding, but that the content of the memory doesn't have to be affective. To test the effect of mood-dependency on memory we might first induce a negative mood in participants by presenting them with a series of aversive and upsetting images (perhaps from the international affective picture system). Then participants might be asked to learn a list of words. After learning, and perhaps the following day, participants will then either be induced into a negative mood again, this time using other negative pictures, or, they will be induced into a positive mood with positive pictures. Participants will then be asked to recall the words. We would expect that participants in the negative mood at recall should show significantly enhanced recall of the word list from day one relative to participants in the positive condition.

Mood-congruency

We could also test mood-congruency within this paradigm. After recall of the word list, we could ask participants to recall the negative images that were presented during the initial mood induction. We could, for example, ask them how certain they are that they've seen each image before. We would expect that participants induced into a negative mood at recall would remember a greater number of these negative images relative to people induced into a positive mood.

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Individual differences in memory biases and depression

- Mood difficulties will have impact on memory formation
- · People with depression often can recall negative material more frequently
- Memory biases may play a role in maintaining depression

Implicit memory task:

ENCODING: Rate how much this word applies to you: foolish, clever, peaceful, failure, etc.

TEST: Please complete these word fragments with the missing word as quick as you can:

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Conclusion

Emotions affect:

- Attention
- Learning
- Memory

In the next topic we will learn:

How cognitive processes affect emotional experience

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References

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