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**Duke UNIVERSITY** **Visual Perception and the Brain** by Dale Purves [Join Signature Track](#)  
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You submitted this quiz on **Tue 9 Sep 2014 8:13 AM EDT**. You got a score of **8.00** out of **10.00**.

Select the option that best satisfies each of the following sentences or questions.

**Question 1**

This course will focus on

- ☒ the phenomenology of what we actually see
- ☐ anatomy and physiology of the visual system
- ☐ visual illusions
- ☐ traditional explanations of visual perception

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**Question 2**

The main goal of vision is to enable us to

- ☒ behave successfully
- ☐ distinguish visual illusions from reality
- ☐ appreciate beauty
- ☐ represent the real world


**Question 3**

Psychophysics

- ☒ correlated subjective experience with psychological events
- ☐ is psychology based on physics
- ☐ is physics based on psychology
- ☐ is now widely discredited
- ☐ attempts to relate the psychological to the physical world

**Question 4**

Which of the following topics relevant to visual perception will **not** be covered in this course?

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### Question 4

Which of the following topics relevant to visual perception will **not** be covered in this course?

- ☐ Color
- ☐ Motion
- ☐ Luster
- ☐ Lightness
- ☐ Geometry

### Question 5

Which of the following is **not** an example of the strange way we see things?

- ☐ The dimensions of surfaces
- ☐ The same spectra seen as different colors
- ☐ The Cornsweet Edge
- ☐ The influence of color on the dimensions of surfaces
- ☐ The subtense of angles

### Question 6

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### Question 6

What can we conclude from visual perceptions?

- ☐ Visual perceptions cannot access physical reality
- ☐ We sometimes see illusions
- ☐ We usually see physical reality
- ☐ We sometimes fail to see physical reality

### Question 7

Which of the following qualities affects luminance?

- ☐ Illumination
- ☐ Reflectance
- ☐ Absorption
- ☐ Transmittance
- ☐ All of these

### Question 8

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### Question 8

Can the visual brain determine the sources of images?

- ☐ No, because image features can't specify physical sources
- ☐ No, because visual measurements are only approximate
- ☐ Yes, because the brain accurately analyzes image features
- ☐ No, because the brain lacks sufficient computing power
- ☐ Yes, because image features are decoded in the visual cortex

### Question 9

What is an "inverse problem"?

- ☐ A problem such as  $z=xy$  where neither  $x$  nor  $y$  is known
- ☐ A problem such as  $z=xy$  where  $x$  and  $y$  are known
- ☐ A problem such as  $z=xy$  where  $x$ ,  $y$ , and  $z$  are unknown
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### Question 10

What is the main idea of this module?

- ☐ The visual system has evolved
- ☐ Physical reality is not available through vision
- ☐ Behavior is successful because vision generates illusory images
- ☐ Perceptions are usually accurate measures of reality
- ☐ The visual system cannot promote successful behavior

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Feedback — Quiz #1: The Phenomenology of What We See [Help](#)

You submitted this quiz on **Tue 9 Sep 2014 8:27 AM EDT**. You got a score of **8.00** out of **10.00**.

Select the option that best satisfies each of the following sentences or questions.

**Question 1**

This course will focus on

- ☒ traditional explanations of visual perception
- ☒ the phenomenology of what we actually see
- ☐ anatomy and physiology of the visual system
- ☐ visual illusions

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- ☒ behave successfully
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Psychophysics

- ☒ correlated subjective experience with psychological events
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### Question 4

Which of the following topics relevant to visual perception will **not** be covered in this course?

- ☐ Luster
- ☐ Color
- ☐ Geometry
- ☐ Lightness
- ☐ Motion

### Question 5

Which of the following is **not** an example of the strange way we see things?

- ☐ The subtense of angles
- ☐ The influence of color on the dimensions of surfaces
- ☐ The dimensions of surfaces
- ☐ The Cornsweet Edge
- ☐ The same spectra seen as different colors

### Question 6

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### Question 6

What can we conclude from visual perceptions?

- ☐ We sometimes see illusions
- ☐ We usually see physical reality
- ☐ We sometimes fail to see physical reality
- ☐ Visual perceptions cannot access physical reality

### Question 7

Which of the following qualities affects luminance?

- ☐ Illumination
- ☐ Reflectance
- ☐ Absorption
- ☐ Transmittance
- ☐ All of these

### Question 8

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### Question 8

Can the visual brain determine the sources of images?

- ☐ Yes, because the brain accurately analyzes image features
- ☐ No, because the brain lacks sufficient computing power
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What is the main idea of this module?

- ☐ Behavior is successful because vision generates illusory images
- ☐ The visual system cannot promote successful behavior
- ☐ Perceptions are usually accurate measures of reality
- ☐ Physical reality is not available through vision
- ☐ The visual system has evolved

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Feedback — Quiz #1: The Phenomenology of What We See [Help](#)

You submitted this quiz on **Tue 9 Sep 2014 8:46 AM EDT**. You got a score of **7.00** out of **10.00**.

Select the option that best satisfies each of the following sentences or questions.

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- ☐ traditional explanations of visual perception
- ☐ anatomy and physiology of the visual system

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