

**Photoshop Course for Scientists-Heb**  
**Lecturers: Oren Shimon, Keren Kaztav**  
**4 sessions (14 academic hours each, delivered in Hebrew)**

**Course description:**

The course provides knowledge and hands-on expertise in using market-leading computer graphics editing and image processing software application Adobe Photoshop. During the course, you'll learn to use advanced tools for image processing and enhancement, color editing techniques, typography, and various effects.

**Course objectives:**

- Acquaintance with Photoshop tools, including brushes and retouching (speck/blemish elimination, contrast, brightness, and saturation adjustment, and more).
- Mastery of image compositing, and creation of new designs combining multiple images.
- Provisioning of techniques to streamline and enhance Photoshop software usage.
- The ability to export Photoshop images to various file formats.
- Interoperability with other graphic design applications, and more.

**Course deliverables:**

The Photoshop course will provide students with basic image processing tools and skills. Course studies will focus on base concepts for simple image retouching, processing, and quality enhancement, and on the skills required to create harmonious image collages. Students will ultimately also learn how to export images to the most appropriate formats for specific use cases, as well as for integration with other software applications.

## Course/module topics:

### Session 1

IMAGE INTEGRITY– delivered by Keren Kaztav, Head of Design, Photography and Printing Branch.

### Session 2

- Displays the Photoshop software interface
- How to create New Document and Open Files
- Image export formats such as: JPEG, PSD and more
- Working with Selection Tools

### Session 3

- Resize Image, Resolution and Canvas Size
- Crop an image with the crop tool
- Working with layers

### Session 4

- Working with Text
- Working with Masks
- Working with Vectors Shapes
- Working Smart with Smart Objects

**Notes:**

- Literature will be handed out at the beginning of the course.
- This course is recognized by the FGS as an external course for life science students warranting the Following CPs:
  - Photoshop short – 0.5 CP
- On completion of the course and receipt of the course graduation certificate, it is the responsibility of the student to send the certificate to the FGS Courses Coordinator (Ms. Ruth Kamensky) to receive the credit points.