

```
<!DOCTYPE html>
<html lang="sk">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responzívne cvičenie – FEI TUKE</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }

    body {
      font-family: Arial, sans-serif;
      line-height: 1.6;
      color: #333;
    }

    /* ===== */
    /* ÚLOHA 1: Responzívna navigácia */
    /* ===== */

    header {
      background: #4a5568;
      color: white;
      text-align: center;
      padding: 1rem;
    }

    nav {
      background: #4a5568;
      position: relative;
    }

    .menu-toggle {
      display: block;
      background: #2d3748;
      color: white;
      border: none;
      padding: 0.75rem 1rem;
      width: 100%;
      font-size: 1.2rem;
      text-align: left;
```

```

    cursor: pointer;
}

nav ul {
    list-style: none;
    display: none;
    flex-direction: column;
    gap: 0.5rem;
    background: #4a5568;
}

nav ul.active {
    display: flex;
}

nav a {
    display: block;
    color: white;
    text-decoration: none;
    padding: 0.75rem;
    background: #2d3748;
    text-align: center;
}

nav a:hover {
    background: #1a202c;
}

/* Desktop navigácia */
@media (min-width: 768px) {
    .menu-toggle {
        display: none;
    }

    nav ul {
        display: flex;
        flex-direction: row;
        justify-content: center;
        gap: 1rem;
    }
}

/* ===== */
/* ÚLOHA 2: Responzívny grid */

```

```
/* ===== */
```

```
.gallery {  
  display: grid;  
  grid-template-columns: 1fr;  
  gap: 1rem;  
  padding: 2rem 1rem;  
  max-width: 1200px;  
  margin: 0 auto;  
}
```

```
/* Tablet - 2 stĺpce */  
@media (min-width: 768px) {  
  .gallery {  
    grid-template-columns: repeat(2, 1fr);  
  }  
}
```

```
/* Desktop - 4 stĺpce */  
@media (min-width: 1024px) {  
  .gallery {  
    grid-template-columns: repeat(4, 1fr);  
  }  
}
```

```
.box {  
  background: #4299e1;  
  color: white;  
  height: 150px;  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  font-size: 2rem;  
}
```

```
/* ===== */
```

```
/* ÚLOHA 3: Responzívna typografia */
```

```
/* ===== */
```

```
.text-section {  
  padding: 2rem 1rem;  
  max-width: 800px;  
  margin: 0 auto;  
}
```

```
.text-section p {  
    font-size: 16px;  
    margin-bottom: 1rem;  
}
```

```
@media (min-width: 768px) {  
    .text-section p {  
        font-size: 18px;  
    }  
}
```

```
@media (min-width: 1024px) {  
    .text-section p {  
        font-size: 20px;  
    }  
}
```

```
/* ===== */  
/* ÚLOHA 4: Skrývanie obsahu */  
/* ===== */
```

```
.mobile-only {  
    display: block;  
    background: #ffd93d;  
    padding: 1rem;  
    margin: 1rem;  
    text-align: center;  
}
```

```
@media (min-width: 768px) {  
    .mobile-only {  
        display: none;  
    }  
}
```

```
.desktop-only {  
    display: none;  
    background: #6bcf7f;  
    padding: 1rem;  
    margin: 1rem;  
    text-align: center;  
}
```

```

    @media (min-width: 1024px) {
        .desktop-only {
            display: block;
        }
    }

    h2 {
        text-align: center;
        margin: 2rem 0 1rem;
        color: #2d3748;
    }

    footer {
        background: #2d3748;
        color: white;
        text-align: center;
        padding: 1rem;
    }
</style>
</head>
<body>

<header>
    <h1>Responzívny web – FEI TUKE</h1>
</header>

<!-- ÚLOHA 1: Navigácia -->
<nav>
    <button class="menu-toggle">☰ Menu</button>
    <ul>
        <li><a href="#">Domov</a></li>
        <li><a href="#">Galéria</a></li>
        <li><a href="#">O nás</a></li>
        <li><a href="#">Kontakt</a></li>
    </ul>
</nav>

<!-- ÚLOHA 2: Responzívny grid -->
<h2>Galéria</h2>
<div class="gallery">
    <div class="box">1</div>
    <div class="box">2</div>
    <div class="box">3</div>
    <div class="box">4</div>

```

```
<div class="box">5</div>
<div class="box">6</div>
<div class="box">7</div>
<div class="box">8</div>
</div>
```

```
<!-- ÚLOHA 3: Responzívna typografia -->
<h2>Textová sekcia</h2>
<div class="text-section">
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed euismod ex a ligula
  ullamcorper, non scelerisque arcu fermentum.</p>
  <p>Praesent vitae tortor sed lectus sollicitudin dapibus. Vestibulum ante ipsum primis in
  faucibus orci luctus et ultrices posuere cubilia curae.</p>
</div>
```

```
<!-- ÚLOHA 4: Skrývanie obsahu -->
<div class="mobile-only">Tento obsah vidíš iba na mobile 📱 </div>
<div class="desktop-only">Tento obsah vidíš iba na desktop 🖥️ </div>
```

```
<footer>
  © 2025 FEI TUKE – Fakulta elektrotechniky a informatiky
</footer>
```

```
<script>
  // Jednoduché hamburger menu
  const toggleButton = document.querySelector('.menu-toggle');
  const navList = document.querySelector('nav ul');

  toggleButton.addEventListener('click', () => {
    navList.classList.toggle('active');
  });

  // Automaticky skryje menu po zmene veľkosti
  window.addEventListener('resize', () => {
    if (window.innerWidth > 768) {
      navList.classList.remove('active');
    }
  });
</script>
```

```
</body>
</html>
```