Department of Electrical and Computer Engineering  
Fundamentals Exemption Request Form

Instructions for the student:

1) The following materials must be attached to this request. If items are not available, then significant documentation and explanation must be provided.
   a. Transcript copy with equivalent courses highlighted and corresponding UW course number noted
   b. Copy of official syllabus (if printed from the web, please highlight the URL)
   c. Copy of official course description (if printed from the web, please highlight the URL)
   d. Textbook title and author
   e. Any homework and/or tests taken in the class

2) Return this form, with the attached documentation, to 3182 Mechanical Engineering. The Graduate Student Services Staff will direct the forms to the appropriate faculty member. (Note: if your case is complicated and requires special instructions, please include a letter of explanation.

Student Name: ___________________________  ID Number: ___________________________

Address: __________________________________________________________________________

Email: ___________________________ Date: ___________________________

FUNDAMENTALS COURSE(S) FROM WHICH YOU REQUEST EXEMPTION:

- Electrodynamics (ECE 220)  
  Vector analysis; potential theory; static and dynamic electric and magnetic fields; macroscopic theory of dielectric and magnetic materials; Maxwell’s equations; boundary conditions

- Circuit Analysis (ECE 230)  
  Kirchhoff’s laws, resistive circuits, equivalent circuits using Thévenin-Norton theories, small signal analysis, dc operating point, first order-circuits, second-order circuits, Spice and circuit simulation methods, sinusoidal steady state, phasors, poles and zeros of network functions, ideal transformed linear and non-linear two port networks.

- Signals and Systems (ECE 330)  
  Time-domain response and convolution; frequency-domain response using Fourier series; Fourier transform, Laplace Transform; discrete Fourier series and transform; sampling; z-transform; relationships between time and frequency descriptions of discrete and continuous signals and systems

- Electronics (ECE 340)  

- Digital Systems (ECE 352)  
  Logic components, Boolean algebra, combinatorial logic analysis and synthesis, synchronous and asynchronous sequential logic analysis and design, digital subsystems, computer organization and design.

FACULTY EVALUATION:

The student is exempt from the following areas:

<table>
<thead>
<tr>
<th>Course</th>
<th>Exempt</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrodynamics (ECE 220)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Circuit Analysis (ECE 230)</td>
<td>yes</td>
<td></td>
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<tr>
<td>Signals and Systems (ECE 330)</td>
<td>yes</td>
<td></td>
</tr>
<tr>
<td>Electronics (ECE 340)</td>
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<td></td>
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<tr>
<td>Digital Systems (ECE 352)</td>
<td>yes</td>
<td></td>
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</tbody>
</table>

Signature: ___________________________ Date: ___________________________