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 2304a Engineering Hall. The 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 Thevenin-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.

ADMISSION COMMITTEE EVALUATION:

The student is exempt from the following areas:

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<thead>
<tr>
<th>Course</th>
<th>Yes</th>
<th>No</th>
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<tr>
<td>Electrodynamics (ECE 220)</td>
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<td>Circuit Analysis (ECE 230)</td>
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Signature: ___________________________  Date: __________________________