Date:

**ME Ph.D. Degree Plan**

*(For students enrolled after 5/31/2014)*

***Name:***

***Student ID number:***

***First semester of enrollment:***

***Ph.D. Advisor:***

**Degree Plan:** (check one)



**Concentration Area:**









The courses listed in this form will be submitted to the Graduate School as an official Program for the Doctoral Degree. In addition to satisfying the course requirements listed in this form, ME Ph.D. students are expected to perform original and significant **research** conducted under the supervision of the Ph.D. Advisor and Ph.D. Committee. Student’s research must result in **at least one presentation** at a technical meeting and **at least one publication in a peer-reviewed journal indexed in Scopus or Web of Science**. The paper must be accepted for publication before the Ph.D. defense**.**

This form will need to be submitted by the end of your first year of studies.

Note: Detailed ME Ph.D. degree requirements are listed in the Graduate Student Handbook posted at <http://www.depts.ttu.edu/me/grad/docs/graduate-handbook_2012.pdf> and the Ph.D. Graduate Handbook Supplement posted at <http://www.depts.ttu.edu/me/grad/docs/phd-graduate-handbook_2014.pdf>

**Course registration requirements**

* *Ph.D. students are required to register for at least 60 credit hours of coursework, which include graduate seminar, lecture courses, and ME 7000 Research courses (usually the instructor of ME 7000 is the student’s Ph.D. Advisor).*
* *Students also have to register for at least 12 credit hours of ME 8000 Doctor’s Dissertation course. The Graduate School rule is that once a student has registered for ME 8000 he/she must register for ME 8000 each semester, until all degree requirements have been completed. Students should not register for ME 8000 before they have passed their Qualifying Exam and formal Admission to Candidacy has been approved by the Graduate Dean.*

**Lecture Course Requirements**

* *The minimum requirement is* ***12 graduate lecture courses (36 credit hours)****. All courses listed in the degree plan must have a significant science component.*
* *The course distribution:*
  + ***2 math and 2 concentration-area courses*** *must be completed in the* ***first two semesters*** *of enrollment.*
  + ***6 ME courses minimum*** *(including the concentration-area courses but excluding the required math courses). Courses taken in other departments must be approved by the student's Ph.D. Advisor.*

**Graduate Seminar Requirement**

* *ME Ph.D. students are required to regularly attend Mechanical Engineering Seminar* 
  + *at least* ***10*** *seminars every full semester*

**Course transfers**

* *Students transferring from the TTU ME Master’s program can apply ALL graduate level credits to the ME Ph.D. degree.*
* *Students transferring from another graduate program can apply 6 graduate level courses (18 credit hours) maximum to Ph.D. Degree. The courses must be approved by the student's Ph.D. Advisor.*

***LIST OF COURSES***

*A complete list of courses (satisfying the Ph.D. requirements) selected by the student in consultation with his/her Ph.D. Advisor should be entered in the tables below. If a different course is taken, the degree plan should be updated.*

1. **Graduate Seminar** (1 credit hour) – *Ph.D. students* ***must register*** *for 1 credit hour in the* ***first semester*** *of enrollment. They register only once (i.e., at the beginning of their studies) and have to attend* ***10 seminars******every full semester*** *(excluding summer sessions) to receive this 1 hour credit* ***at the end*** *of their graduate studies,*

|  |  |  |
| --- | --- | --- |
|  | Course number | Course Title |
| 1 | **ME 5120 (1cr)** | **Graduate Seminar** |

1. **Lecture Courses** **–** *The total number of lecture courses listed* should beat least 12 (36 credit hours)*. Note: If some courses are transferred from the student's previous graduate program, write* ***TC*** *in the corresponding course number field in Tables* ***II A–II C****, leave the rest of the row blank, and provide all the information regarding the courses transferred in Tables* ***II D*** *or* ***II D****, as appropriate.*
2. **Required Math –** Two lecture courses (6 credit hours)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course number | Course Title | Instructor | Grade[[1]](#footnote-1) |
| 1 |  |  |  |  |
| 2 |  |  |  |  |

1. **Concentration Area –** Two lecture courses (6 credit hours)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course number | Course Title | Instructor | Grade1 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |

1. **Other Mechanical Engineering Courses –** At least 4 lecture courses; the total number of ME courses, including Concentration but excluding the Required Math, should be at least 6 (18 credit hours). Expand the table if needed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course number | Course Title | Instructor | Grade1 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |

1. **Courses outside Mechanical Engineering** (if taken)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course number | Course Title | Instructor | Grade1 |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |

**E**. **Courses from the student's previous graduate program at TTU** (if transferred) **–** *Use letters to indicate the course type:* ***M****-Math,* ***C****-Concentration,* ***ME****-Other ME courses (excluding Math and Concentration),* ***O****-Courses outside ME.* ***Note:*** *students transferring from the* ***ME master’s*** *program to ME Ph.D. program should list their transfer courses in Tables A, B and C.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the program: | | | | | |
|  | Course number | Course Title | Credit Hours | Grade1 | Type |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |

1. **Courses from other universities** (if transferred) **–** *Use letters to indicate the course type:* ***M****-Math,* ***C****-Concentration,* ***ME****-Other ME courses (excluding Math and Concentration),* ***O****-Courses outside ME.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the institution: | | | | | TTU Equivalent courses | | | |
|  | Course number | Course Title | Credit Hours | Grade | Course number | Course Title | Credit Hours | Type |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |

1. **Research Courses**
2. **7000 Research –** Ph.D. students are required to register for at least 60 credit hours of coursework, including ME 7000. *Please make sure that the total number of hours listed in items I, II. A–F and III. A is 60, and the course distribution is correct*.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Course number | Instructor | Hours |
| 1 | ME 7000 |  |  |
| 2 | ME 7000 |  |  |
| 3 | ME 7000 |  |  |
| 4 | ME 7000 |  |  |
| 5 | ME 7000 |  |  |
| 6 | ME 7000 |  |  |
| 7 | ME 7000 |  |  |
| 8 | ME 7000 |  |  |

1. **8000 Doctor’s Dissertation –** The Graduate School requires registration for at least 12 credit hours of ME 8000

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Course number | Dissertation topic | Instructor | Hours |
| 1 | ME 8000 |  |  |  |
| 2 | ME 8000 |  |  |
| 3 | ME 8000 |  |  |
| 4 | ME 8000 |  |  |

Student’s signature: Date:

Signature of the Ph.D. Advisor: Date:

…………………………………………………………………………

Graduate Director's decision:

Approved Not approved

Signature of the Graduate Director: Date:

Remarks:

1. If the course is in progress insert IP; leave blank if the course has not been taken yet. [↑](#footnote-ref-1)