**STUDY PLAN**

for the 2018/2019 academic year

(Enrolment 2017)

**Specialty**
- 131 - Applied mechanics

**Dynamics and Strength of Machines**

**Level**
- Master

**Department**
- Department of dynamics and strength of machines and strength of materials

**Approval**
- by first Vice-rector of Igor Sikorsky Kyiv Polytechnic Institute

**Study duration**
- 1 year 9 months

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<table>
<thead>
<tr>
<th>Code</th>
<th>Subjects</th>
<th>Department</th>
<th>Amount</th>
<th>Lectures/Practical</th>
<th>Control measures and their distribution by semester</th>
<th>Total</th>
<th>Total</th>
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1. **Basic training (major courses)**

1.1. Basic training (major courses)

1. Mathematical Modeling of Systems and Processes
   - Department of Applied Hydro-Aeromechanics and Mechatronics
   - 4 lectures, 120 practicals, 54 laboratory, 36 self-study
   - 18 hours lectures, 66 practicals
   - Exam, control measures

2. Modern design methods
   - Department of dynamics and strength of machines and strength of materials
   - 4 lectures, 120 practicals, 54 laboratory, 36 self-study
   - 18 hours lectures, 66 practicals
   - Exam, control measures

Total number of part 1.1: 8 lectures, 240 practicals, 108 laboratory, 72 self-study, 36 credit hours

1.2. Basic training (optional courses)

3. Workshop on foreign language scientific communication 1. Workshop on foreign language professional communication
   - Department of the English Language of Technical Orientation № 2
   - 1.5 credit hours

4. Pedagogy of high school
   - Department of Psychology and pedagogy
   - 2 credit hours

Total number of part 1.2: 3.5 credit hours

1.3. Science Research (optional courses)

5. Scientific work on the topic of master's thesis 3. Scientific work on the topic of master's thesis
   - Department of dynamics and strength of machines and strength of materials
   - 3.5 credit hours

6. Research Practice
   - Department of dynamics and strength of machines and strength of materials
   - 9 credit hours

7. Writing a Masters Dissertation
   - Department of dynamics and strength of machines and strength of materials
   - 21 credit hours

Total number of part 1.3: 33.5 credit hours

TOTAL IN GENERAL TRAINING: 45 credit hours
### Практика

<table>
<thead>
<tr>
<th>№</th>
<th>Тип практики</th>
<th>Сроки</th>
<th>Продолжительность в неделях</th>
<th>Семестр</th>
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<tr>
<td>1</td>
<td>Рекомендательная практика</td>
<td>с 04.02.2019 по 10.03.2019</td>
<td>5</td>
<td>4</td>
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### Распределение часов для подготовки и защиты магистерской диссертации

<table>
<thead>
<tr>
<th>Тип работы</th>
<th>Часы в общем</th>
<th>Число студентов</th>
<th>Число в общей сложности</th>
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<tbody>
<tr>
<td>Сопровождение</td>
<td>32 ч</td>
<td>2</td>
<td>64 ч</td>
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<tr>
<td>Консультирование</td>
<td>2 ч</td>
<td>2</td>
<td>4 ч</td>
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<tr>
<td>Ревизия</td>
<td>4 ч</td>
<td>2</td>
<td>8 ч</td>
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<tr>
<td>Экзаменационная комиссия</td>
<td>0,5 х4=2</td>
<td>2</td>
<td>4 ч</td>
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</tbody>
</table>

**Общие часы** | 40 ч | 80 ч |

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**Утверждено на заседании Института**

Директор Института (директор факультета) / Babenko A. / Bobyr M. /