КАЛЕНДАРНО-ТЕМАТИЧЕСКИЙПЛАН

"Дисциплина **Системы автоматического проектирования технологических процессов"**

Специальность \_\_15***.02.07«Автоматизация технологических процессов и производств по отраслям».***

Преподаватель Храмов Александр Алексеевич /\_\_\_\_\_\_\_\_\_\_\_\_\_

*фамилия, имя, отчество, /подпись*

Календарно-тематический план составлен на основе рабочей программы, утвержденной заместителем директора по учебной работе Н.Н. Ковзелем

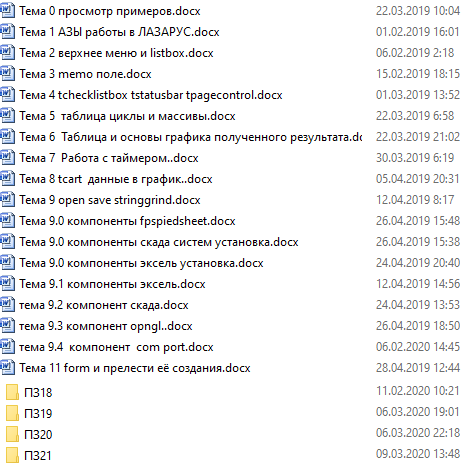
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| Курс | Семестр | Максимальная  нагрузка (час) | Самостоятельная (внеаудиторная) нагрузка (час) | Аудиторная учебная нагрузка (час) | **В том числе** | | | | Форма промежуточной аттестации |
| Теоретические занятия на уроках(час) | Лабораторные работы (час) | Практические занятия (час) | Курсовое проектирование (час) |
| 3 | 5 | 72 | 24 | 48 | 22 |  | 26 |  |  |
| 3 | 6 | 54 | 18 | 36 | 18 |  | 18 |  |  |
|  |  |  |  |  |  |  |  |  |  |
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| Всего по дисциплине / МДК (час) | | 126 | 42 | 84 | 40 |  | 44 |  |  |

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|  | Семестр 6 |  |  |  |  |  | |
|  | **Раздел 4 СРЕДЫ разработки, моделирования САПР и ТП** |  |  |  |  |  | |
| 8 | П/з22 Работа с компонентами.  USB,TCP/ip. com. freepascal. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |
| 9 | П/з23 Операторы циклов. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |
| 10 | П/з24 Операторы условий. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |
| 11 | П/з25 Установка. Проверка работоспособности. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |
| 12 | П/з26 Графические элементы. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |
| 13 | П/з27 Организация окон. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе | |

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|  | **Раздел 5 Среда QT моделирования и разработки ТП, САПР** |  |  |  |  |  |
| 14 | П/з28 Виды данных. компоненты визуальные и скрытые | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе |
| 15 | П/з29 Работа с файлами. Визуально и скрытно. | 2п | 1 | Практические  занятия | У1 | Оформление отчета по проделанной работе |
| 16 | П/з30 Структуры. Форматы данных. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе |
| 17 | П/з31 Операторы циклов. Организация потоков. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе |
| 18 | П/з32 Операторы условий. | 2п | 1 | Практические  Занятия | У1 | Оформление отчета по проделанной работе |
|  | **Итого за 5 семестр 54** | **36** | **18** |  |  |  |

дело в том что дистанционно данные практические не провести в основном.

Предлагаем для дистанционного прохождения учебного процесса практические, которые можно пройти самостоятельно.



Кстати они еще даже понятнее.

Материал у студентов есть…

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| абрамов |  |  |  |  | 5 |  | 5 |  |  |  |  | 5 |  |  |  |  | выполнение |
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|  |  |  |  | d3101 | d0702 |  | d1402 |  |  |  |  | d2102 |  |  |  |  | дата |
|  |  |  |  | 4 | 5 |  | 5 |  |  |  |  | 5 |  |  |  |  | итог |

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|  |  |  |  |  |  |  | d0702 | D | D |  | D | d | d | d802 | d |  | дата |
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| гордеев |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | выполнение |
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| иминов |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | выполнение |
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|  |  |  |  |  |  | d0702 |  |  |  |  |  |  |  | d2802 |  |  | дата |
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|  |  | d2402 | d2502 |  | d0702 | d1402 |  |  |  |  |  | d2102 |  |  |  |  | дата |
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| ХАРИТОНОВ |  |  |  |  |  | + |  |  | -9 |  |  |  |  |  |  |  | выполнение |
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