Required data and steps to create a planning for a course

1. Enroll in the same course from the previous year before your upcoming year starts, to potentially get more practice material. ☐ ☒
2. Download the old course before it is emptied. (not accessible)☐ ☒
3. Look at an old exam to see how you are tested (w.r.t. your grade).☐ ☒
4. Based on that exam determine what kind of exercises/work should be performed to pass the exam. ☒
5. Write down list of Learning Objectives.☒
6. Write down list of lecture topics☒
7. Write down list of assignments with topics☒
8. Write down deadlines and subjects using example **??**☐ ☒
9. Write down exam dates in the same table☐
10. Write down list of practice material☐
11. Write down link practice material to lecture topics☐
12. Estimate hours of work per practice material.☐
13. Estimate hours of work per lecture pre- and post evaluation.☐
14. Write all tasks per work type as "commanders intend"[**?**]:☐
    - Read☐
    - Assignment☐
    - Lecture pre-study☐
    - Lecture post-study☐
    - Exam preparation☐
    - ..
15. Plan 20 % buffer time☐
16. Do the work.☐
17. Stick to planning.☐
18. Check if you planned for succes:
    - Check if there is enough practice material to satisfy the requirements for a good grade as described in point 4. ☐
    - If not, create your own, ☐
    - Discuss your doubts on questions to which you did not have an answer to, with fellow students, the TA's and/or Teachers.☐

Table 1: Example table for deadlines

Nr.	Due	Put in calendar	Put in Taswarrior	Topic
1	2018-09-02T23:59	No	No	Write working artificial neural network

1 Enroll in the same course from the previous year before your upcoming year starts, to potentially get more practice material.

☐ Not possible

2 Download the old course before it is emptied.

1. create a new folder for the course named "<coursecode><coursename>"☐ Not possible
2. In folder ¡"course code" "course name"¿ create new folder named: "<oldcourse><year-year>"☐ Not possible
3. Go to table of contents(TOC)☐ Not possible
4. Click download it to folder "<oldcourse><year-year>"☐ Not possible
5. Then on right mouse button(RMB)>Save page as HTML☐ Not possible
6. Store the website so you know what was on the TOC in which order.☐ Not possible
7. (Or print page as pdf)☐ Not possible

☐

3 Look at an old exam to see how you are tested (w.r.t. your grade).

The exam typpically consists of:

1. 10% Boerenverstand about gps sattellite timeing and relativistic effects
2. 15-20% gnarly details about matrix computations
3. 15-20% statistics and parameter optimisation (least squares if you have β then how do you compute covariance?
4. 10% inertial vs reference frame transformations, explain
5. Coordinate parameter estimation (or gps or sattellite tracking) random knowledge questions, eg. what is the reducatia matrix?
6. 25% kalman filter(and gps) Either understanding or mathematics.

4 Based on that exam determine what kind of exercises/work should be performed to pass the exam.

A good exam preparation could consist of:

1. making solutions for all exam exercises in/before the week that they are taught.
2. TODO: put those in taskwarrior.

5 Write down list of Learning Objectives

1. skipped

6 Write down list of lecture topics

- W1: statistics and orbit determination
- W2: Tracking, refraction and relativity
- W3: satellite navigation
- W4: Coordinates, Time and Gravity
- W5: Non-linearity, rank deficiency, constraint solutions, algorithms

- W6: Kalman filter and orbit determination.
- W7: Applications
- W8: Exam preparation

7 Write down list of assignments with topic

Nr.	Cal	tw	Topic	Available	Due	Source due	Weight	Source weight
W.1Ex.1			Correlation		2019-09-05	own planning	0	0
W.1Ex.2			Advanced correlation		2019-09-06	Own planning	0	0
As.1			Least Squares		2019-09-17T17:30	Assignment	16.6%	Study guide
W.2Ex1			Doppler		2019-09-12	Own planning	0	0
W.2Ex2			Sat altimeter		2019-09-13	Own Planning	0	0
W.2Ex3			Relativity		2019-09-13	Own Planning	0	0
W.3Ex1			Sat nav		2019-09-16	Own Planning	0	0
W.3As.2			GPS dynam. params	2019-09-18	2019-10-08	Course sched	16.6%	Study guide
W.4Ex1			Reference sys trans		2019-09-23	Own Planning	0	0
W.4Ex2			Polar motion		2019-09-23	Own Planning	0	0
W.4Ex3			Potential Theory, sphere harmonies		2019-09-23	Own Planning	0	0
W.4Ex4			Geodetic vs Carthesian coordinates		2019-09-23	Own Planning	0	0
W.5Ex1			Min. Constraint Problem		2019-09-30	Own Planning	0	0
W.5Ex2			Min. Constraint Problem		2019-09-30	Own Planning	0	0
W.5Ex3			Estim. Init. State Vector		2019-09-30	Own Planning	0	0
W.6Ex1			Kalman in simple Dyn. model		2019-10-07	Own Planning	0	0
W.6Ex2			Derive Kalman gain matrix		2019-10-07	Own Planning	0	0
W.6Ex3			Storage issues in Kalman gain matr.		2019-10-07	Own Planning	0	0
W.6Ex4			Variational Issues		2019-10-07	Own Planning	0	0
W.6As3			Kalman filter		2019-10-18	Course Sched	16.6	Study Guide
W.7Ex1			Exam Sample Questions		2019-10-14	Own Planning	0	0
W.8Ex1			Old Exam Questions		2019-10-21	Own Planning	0	0

Nr.	**Cal**	**tw**	**Topic**	**Available**	**Due**	**Source due**	**Weight**	**Source we**
W1Ex.1			Correlation		2019-09-05	own planning	0	0
W1Ex.2			Advanced correlation		2019-09-06	Own planning	0	0
As.1			Least Squares		2019-09-17T17:30	Assignment	16.6%	Study guid
W2Ex1			Doppler		2019-09-12	Own planning	0	0
W2Ex2			Sat altimeter		2019-09-13	Own Planning	0	0
W2Ex3			Relativity		2019-09-13	Own Planning	0	0
W3Ex1			Sat nav		2019-09-16	Own Planning	0	0
W3As.2			GPS dynam. params	2019-09-18	2019-10-08	Course sched	16.6%	Study guid
W4Ex1			Reference sys trans		2019-09-23	Own Planning	0	0
W4Ex2			Polar motion		2019-09-23	Own Planning	0	0
W4Ex3			Potential Theory sphere harmonies		2019-09-23	Own Planning	0	0
W4Ex4			Geodetic vs Carthesian coordinates		2019-09-23	Own Planning	0	0
W5Ex1			Min. Constraint Problem		2019-09-30	Own Planning	0	0
W5Ex2			Min. Constraint Problem		2019-09-30	Own Planning	0	0
W5Ex3			Estim. Init. State Vector		2019-09-30	Own Planning	0	0
W6Ex1			Kalman in simple Dyn. model		2019-10-07	Own Planning	0	0
W6Ex2			Derive Kalman gain matrix		2019-10-07	Own Planning	0	0
W6Ex3			Storage issues in Kalman gain matr.		2019-10-07	Own Planning	0	0
W6Ex4			Variational Issues		2019-10-07	Own Planning	0	0
W6As3			Kalman filter		2019-10-18	Course Sched	16.6	Study Gui
W7Ex1			Exam Sample Questions		2019-10-14	Own Planning	0	0
W8Ex1			Old Exam Questions		2019-10-21	Own Planning	0	0

8 Write down deadlines and subjects using example ??

☒

9 Write down exam dates in the same table

☒

10 Write down list of practice material with link

Skipped

11 Write down link practice material to lecture topics

Skipped

12 Estimate hours of work per practice material.

13 Estimate hours of work per lecture pre- and post evaluation.

14 Write all tasks per work type as "commanders intend"[?]:

14.1 Read

14.2 Assignment

14.3 Lecture pre-study

14.4 Lecture post-study

14.5 Exam preparation

14.6 ..

15 Plan 20 % buffer time

16 Do the work.

17 Stick to planning.