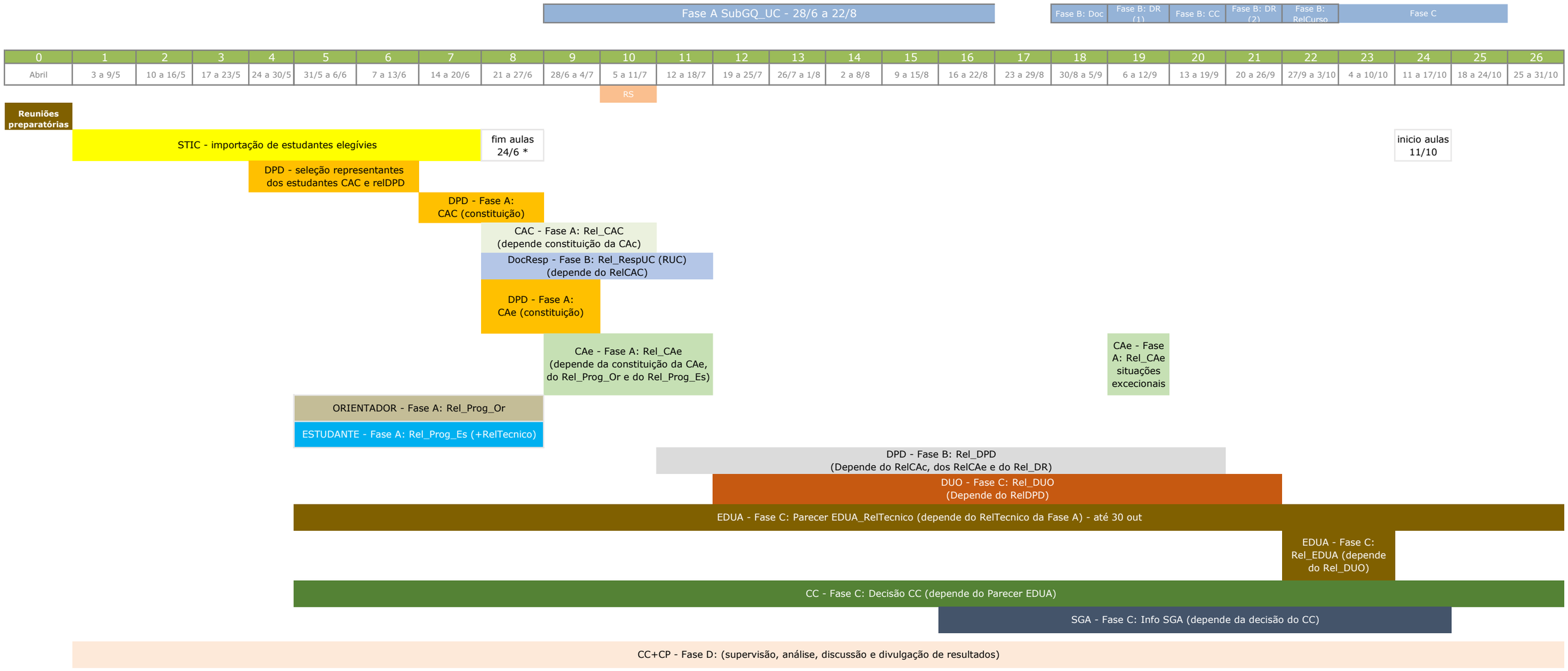SubGQ_PD 2020_21