

# **Block Schedule - Constraint Violations Report**

Score: -17hard/-507soft

## **Hard Constraint Violations:**

- Teacher must be qualified: 0
- Teacher must be available for entire block: 2
- No teacher double-booking: 5
- No room double-booking: 5
- Room type must satisfy course requirement: 0
- Group cannot have two courses at same time: 5
- Teacher exceeds max hours per week: 0
- Prefer non-BASICAS courses in non-standard rooms to finish by 2pm: 8
- Prefer BASICAS blocks to be consecutive on same day: 20
- Maximum 1 block per non-BASICAS course per group per day: 0

## **Soft Constraint Violations:**

- Minimize teacher idle gaps (availability-aware): 15