

### **Sprint 3 VBA Test Cases By: Tristan Kerec, and Andrew Heft**

**Ensure all of the below return NO conflicts, and ALL inputted constraints are utilised.**

**Test cases for each amount of input courses are at the bottom of the page.**

**0 Input Courses: Ensure it fills out a schedule based on checkboxes, and does not run into an error regardless of checked boxes.**

- No checkboxes
  - Working
- Avoiding heavy mornings
  - Working
- Avoiding heavy afternoons
  - Working
- Avoiding heavy evenings
  - Working
- Avoiding Fridays
  - Working
- Avoiding Thursdays
  - Working
- Courses with Greg preferred
  - Working
- Allow Grad Courses
  - Working
- Allow Time TBA
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday
  - Working
- Avoid morning/afternoon/evening AND prefer with Greg
  - Working
- Avoid Thursday/Friday AND prefer with Greg
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND prefer with Greg
  - Working
- Courses with Greg AND TBA/Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses AND Allow Grad Courses
  - Working

**1 Input Course: Ensure it fills out a schedule based on checkboxes, and does not run into an error regardless of checked boxes.**

- No checkboxes
  - Working
- Avoiding heavy mornings
  - Working
- Avoiding heavy afternoons
  - Working
- Avoiding heavy evenings
  - Working
- Avoiding Fridays
  - Working
- Avoiding Thursdays
  - Working
- Courses with Greg preferred
  - Working
- Allow Grad Courses
  - Working
- Allow Time TBA
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday
  - Working
- Avoid morning/afternoon/evening AND prefer with Greg
  - Working
- Avoid Thursday/Friday AND prefer with Greg
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND prefer with Greg
  - Working
- Courses with Greg AND TBA/Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses AND Allow Grad Courses
  - Working

**2 Input Courses:**

**Try courses with conflicting exams, but not conflicting class times.**

**Try courses with conflicting class times.**

- No checkboxes
  - Working
- Avoiding heavy mornings
  - Working
- Avoiding heavy afternoons
  - Working

- Avoiding heavy evenings
  - Working
- Avoiding Fridays
  - Working
- Avoiding Thursdays
  - Working
- Courses with Greg preferred
  - Working
- Allow Grad Courses
  - Working
- Allow Time TBA
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday
  - Working
- Avoid morning/afternoon/evening AND prefer with Greg
  - Working
- Avoid Thursday/Friday AND prefer with Greg
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND prefer with Greg
  - Working
- Courses with Greg AND TBA/Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses AND Allow Grad Courses
  - Working

### **3 Input Courses:**

**Try courses with conflicting exams, but not conflicting class times.**

**Try courses with conflicting class times.**

- No checkboxes
  - Working
- Avoiding heavy mornings
  - Working
- Avoiding heavy afternoons
  - Working
- Avoiding heavy evenings
  - Working
- Avoiding Fridays
  - Working
- Avoiding Thursdays
  - Working
- Courses with Greg preferred
  - Working

- Allow Grad Courses
  - Working
- Allow Time TBA
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday
  - Working
- Avoid morning/afternoon/evening AND prefer with Greg
  - Working
- Avoid Thursday/Friday AND prefer with Greg
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND prefer with Greg
  - Working
- Courses with Greg AND TBA/Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses AND Allow Grad Courses
  - Working

#### **4 Input Courses:**

**Try courses with conflicting exams, but not conflicting class times.**

**Try courses with conflicting class times.**

- No checkboxes
  - Working
- Avoiding heavy mornings
  - Working
- Avoiding heavy afternoons
  - Working
- Avoiding heavy evenings
  - Working
- Avoiding Fridays
  - Working
- Avoiding Thursdays
  - Working
- Courses with Greg preferred
  - Working
- Allow Grad Courses
  - Working
- Allow Time TBA
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday
  - Working
- Avoid morning/afternoon/evening AND prefer with Greg
  - Working

- Avoid Thursday/Friday AND prefer with Greg
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND prefer with Greg
  - Working
- Courses with Greg AND TBA/Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow Grad Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses
  - Working
- Avoid morning/afternoon/evening AND Thursday/Friday AND Allow TBA Courses AND Allow Grad Courses
  - Working

**5 Input Courses: Ensure it functions properly, similarly to sprint 2, as inputted boxes will not matter.**