MSOE Library Setup
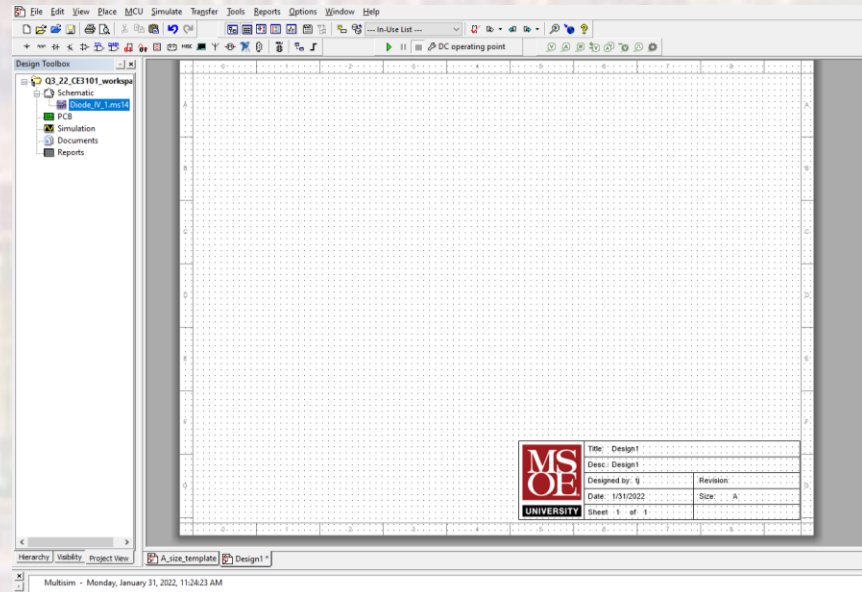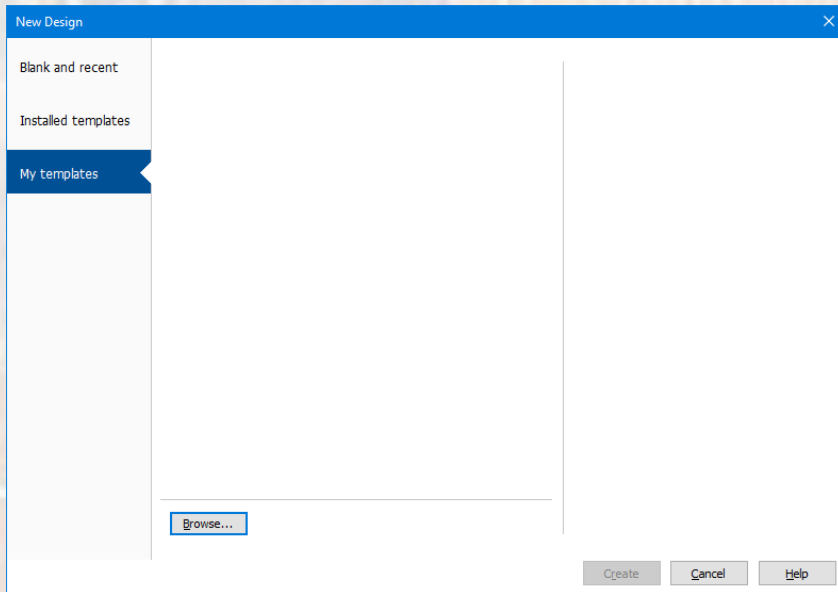
Last modified 12/21/23
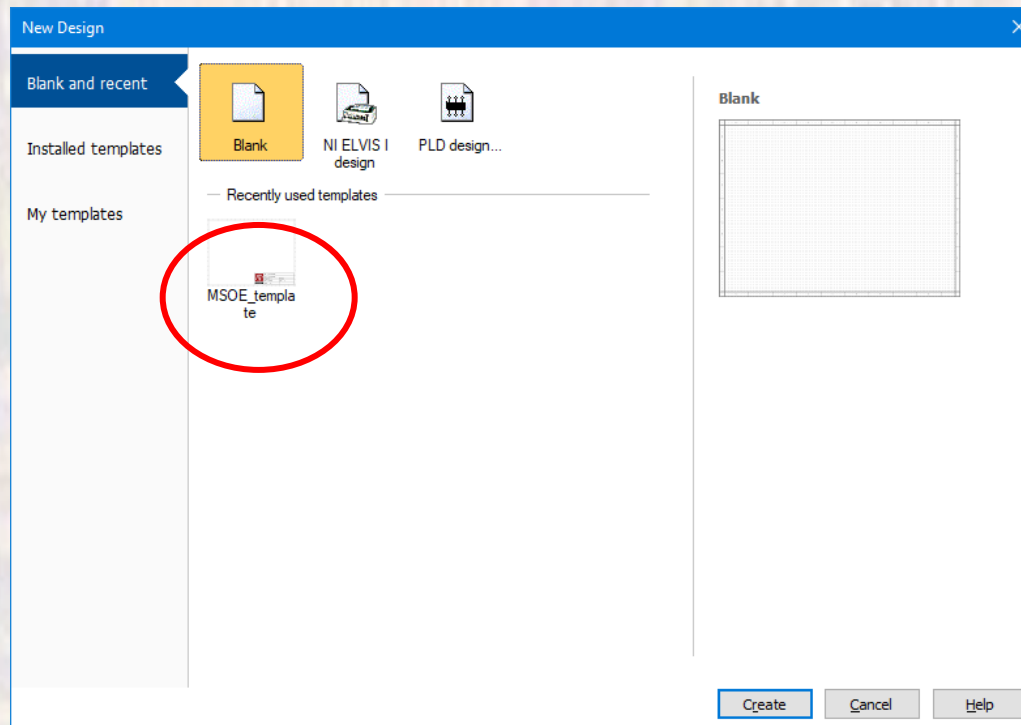
MSOE Library Template

- Install MSOE Template
  - Download the MSOE_Template from the website
    - rt click and select Save link as to save into your project workspace
  - In MultiSim: File → New
    - Select My templates
    - Browse to your workspace and select MSOE_template
    - Close the file

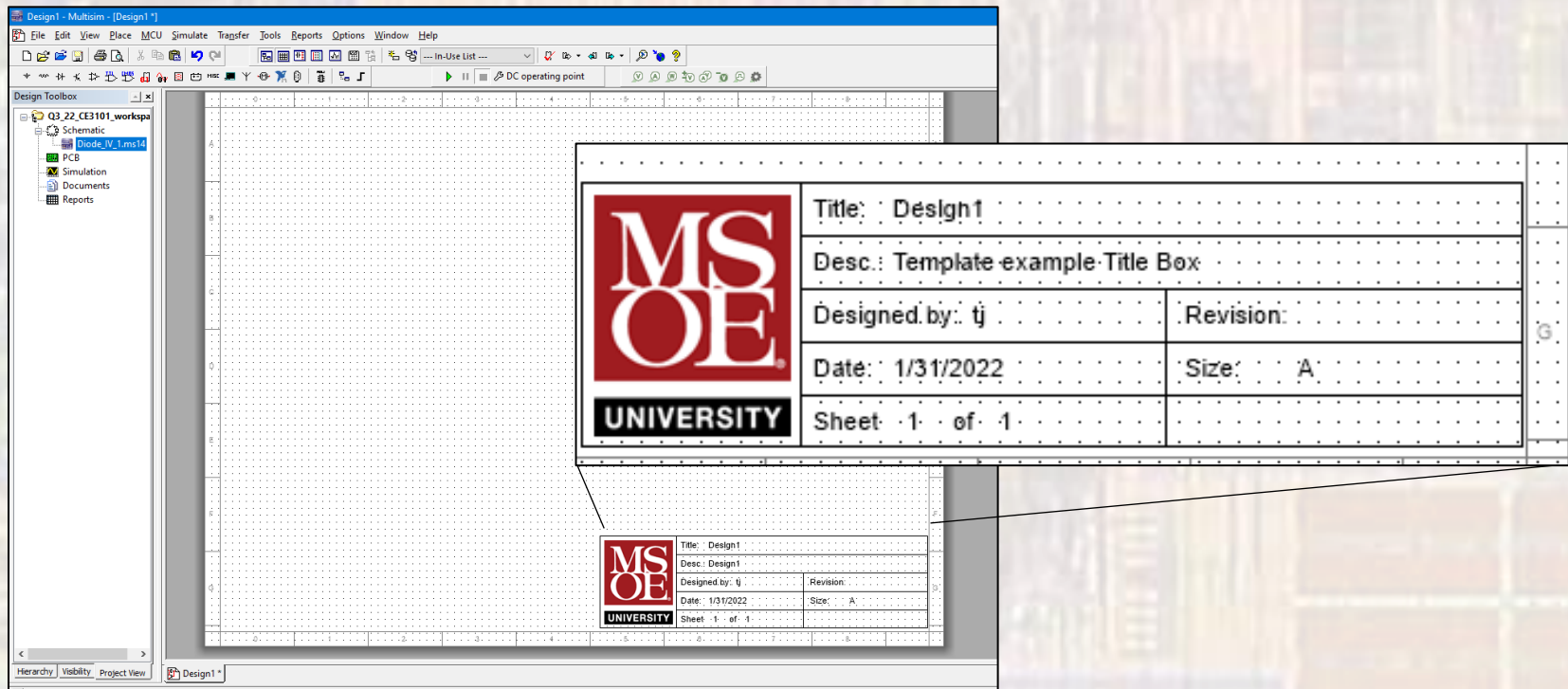# MSOE Library Template

- Use MSOE Template
  - File → New
    - Select Blank and Recent
    - The MSOE template should be available under Recently used templates

MSOE Library Template

- Use MSOE Template – cont'd
  - A new design will be opened
  - The title block fields will auto-fill
    - The Desc block is the ONLY item you should change
      - Double-click on the Title Box and type in an appropriate description

MSOE Library Components

- Add MSOE specific components to the MultiSim database

1. Download the component files from Dr. Johnson's website
   Place them in your MultiSim project directory
2. Open MultiSim
3. File → New → Blank and Recent → MSOE_Template → Create
4. Tools → Database → Database Manager
5. Select Family Tab → Expand User Database → select Transistors
6. Select Add Family → set Enter Family Name to MSOE → OK

MSOE Library Components

- Add MSOE specific components to the MultiSim database

7. Select the Components tab → select Database Name as User Database → select import
8. Traverse to where you saved the component files → set the file type in the search box to Component Packed Files
9. Select one of the model files → Start → Overwrite → OK → Close
10. Repeat the import for each component
11. Close the Database Manager
12. Return to the Family Tab, User Database, Transistors, MSOE and select the letter M in the default prefix dropdown

MSOE Library Components

- Select a new component for placement
  - In the schematic window select Place → Component
    - Alternately rt-click in the window and select Component
  - Set the Database pulldown to User Database → highlight MSOE
    - The downloaded components should be available for placement