CORE CONCEPT

Urban Tree Management and Arboriculture Course: Species Selection, Tree Risk and Pruning

11 – 15 April 2027
Riyadh - KAFD district five-star

Urban Tree Management and Arboriculture Course: Species Selection, Tree Risk and Pruning

Ref: 1936_28880 **Date:** 11 – 15 April 2027 **Location:** Riyadh - KAFD district five-star **Fees:** 20000 SAR

Introduction:

Urban tree management and arboriculture, covering species selection, tree risk and pruning, is the subject of this 1-week course for municipal greening, urban forestry and contractor arborist units, ending with an Urban Tree Management Plan for a case organisation. Street and park trees in hot, dry cities decline when species are mismatched to sites, roots are confined in small pits, crowns are topped and defective limbs stay unrecorded until they fail. Nominees already supervise tree planting, pruning or inspection crews and learn through a street tree inspection walkthrough. CoreConcept Training Center delivers this urban tree management and arboriculture course.

Course Objectives:

- Match tree species to street, median and park planting sites using heat, drought, salinity and soil volume tolerance criteria
- Specify planting pits, structural soil cells and root barriers, and reject defective nursery stock at delivery
- Direct structural, crown cleaning, crown raising and crown reduction pruning to the ANSI A300 standard
- Rate tree risk by likelihood of failure, likelihood of impact and consequences, and set mitigation and re-inspection intervals
- Build and maintain a GIS tree inventory that drives work orders, canopy cover indicators and species diversity targets
- Protect retained trees on construction sites through root protection areas, fencing and supervised excavation

Target Audience:

- Municipal greening units responsible for street, median and public open space trees
- Urban forestry and tree officer teams responsible for inspection records, tree permits and canopy targets
- Landscape contractor arborist teams responsible for planting, pruning and tree removal crews
- Greening programme units responsible for planting targets, tree stock acceptance and canopy reporting
- Developer and infrastructure project teams responsible for retaining existing trees during construction

Course Outline:

Day 1: Urban Tree Population Foundations and Site Constraints

- Urban Tree Population Age, Size and Condition Profiling
- Street Tree Site Typology for Medians, Verges and Plazas
- Tree Biology Basics for Compartmentalisation and Root Spread
- Arid City Stressors of Heat, Salinity and Reflected Glare
- Baseline Street Tree Condition Survey on a Sample Corridor

Day 2: Species Selection Frameworks and Planting Specifications

- Species Selection Matrix for Drought and Salinity Tolerance
- Santamour Rule for Species, Genus and Family Diversity
- Planting Pit Dimensions, Rootable Soil Volume and Structural Soil Cells
- Nursery Stock Acceptance for Root Ball, Girdling Roots and Leader
- Tree Grates, Root Barriers and Staking Specifications

Day 3: Arboricultural Pruning Practice and Young Tree Training

- ANSI A300 Pruning Objectives and Cut Placement
- Structural Pruning of Young Trees for a Dominant Leader
- Crown Cleaning, Crown Raising and Crown Reduction Methods
- Topping and Lion Tailing Damage and Corrective Pruning
- Pruning Cycle Planning and Crew Work Specification Sheets

Day 4: Tree Risk Assessment, Inventories and Construction Protection

- ISA TRAQ Likelihood of Failure and Impact Rating
- Structural Defect Recognition of Codominant Stems and Included Bark
- Limited Visual, Basic and Advanced Tree Risk Assessment Levels
- GIS Tree Inventory Attributes, Work Orders and i-Tree Eco Valuation
- Root Protection Area Fencing and Supervised Excavation Near Trees

Day 5: Inspection Walkthrough and the Urban Tree Management Plan

- Street Tree Inspection Walkthrough With a Risk Rating Form
- Case Species and Planting Pit Specification for a New Boulevard
- Case Pruning and Risk Mitigation Work Programme
- i-Tree Canopy Cover Indicators and Plantable Space Targets
- Urban Tree Management Plan Completion and Peer Review

Skills You Will Gain:

- Arboricultural Species Matching
- Rootable Soil Volume Specification
- Nursery Stock Inspection
- Structural Pruning Supervision
- Tree Defect Recognition
- Tree Risk Rating
- GIS Tree Inventory Management
- Construction Tree Protection

Why Attend This Course:

- Deliver an Urban Tree Management Plan to the head of greening and the urban forestry lead
- Decide which trees to prune, monitor, reduce or remove using recorded risk ratings rather than appearance
- Avoid replanting losses, storm limb failures and root damage claims caused by poor stock, topping and uncontrolled excavation
- Equip crews and contractors with pruning specification sheets, risk rating forms and nursery stock acceptance checklists

Conclusion:

Back at work, the participant hands the Urban Tree Management Plan to the head of greening, the urban forestry lead and the contract manager, who use it to approve species lists, pit specifications, pruning cycles and risk inspection intervals before the next planting and pruning season. Inventory data then feeds work orders and canopy reports. After the first inspection round under the plan, the unit should compare risk ratings, stock rejection records and canopy indicators with the plan's targets and revise species choices or pruning cycles where trees underperform.

Frequently Asked Questions FAQ:

What should participants know before the urban tree management and arboriculture course?

Participants should already supervise tree planting, pruning, inspection or greening contracts and know common local tree species. No arboriculture qualification is expected. Bringing a tree list, inspection record or planting specification from their own organisation helps them apply the walkthrough and case work.

How does urban tree management and arboriculture differ from a landscape maintenance or nursery production course?

It concentrates on individual street and park trees: species and site matching, rooting space, pruning standards, tree risk rating, inventories and protection during construction. Landscape courses cover turf, irrigation and contracts, while nursery courses cover seed and seedling production.

Why does tree risk assessment matter in urban tree management and arboriculture?

Tree risk assessment shows which trees could fail and harm people or property. Rating likelihood of failure, likelihood of impact and consequences lets managers prioritise pruning, monitoring or removal and record defensible decisions instead of reacting after a limb falls.

What do participants take back from the urban tree management and arboriculture course?

Participants take back an Urban Tree Management Plan for a case organisation, with a species selection matrix, planting pit specification, pruning work programme, risk rating form, inventory attribute list and canopy indicators ready to adapt to their own tree population.